

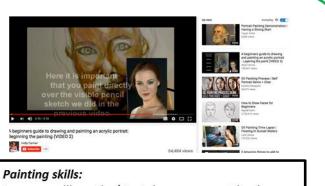
Year 9

Knowledge Organisers

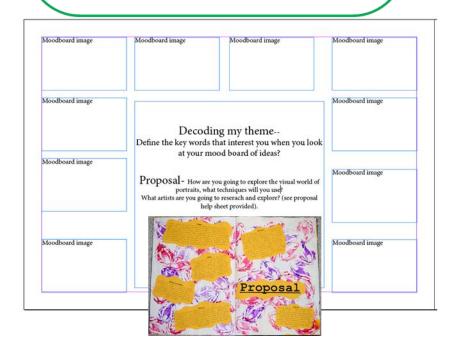
Module 4



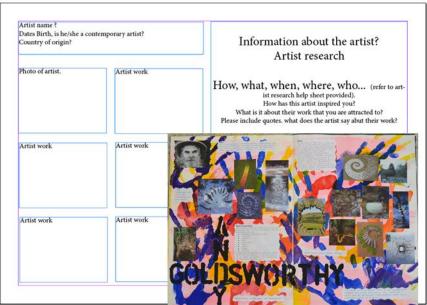
# "AQA Yr 9 Art Fine GCSE. Investigating and research . Investigating Portraits, A01 Module 4 Organiser



Learners will use the (Youtube resources, A beginners guide to drawing and painting an acrylic portrait, by Holly Farmer) This will enable them to teach themselves the skill of mixing and applying skin tone to create a successful portrait painting.







# **Year 9 Construction**

# **Module 4 Knowledge Organiser – Unit 2 Practical Construction Skills**

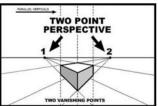
# **HOUSE STYLES**

**TRADITIONAL -** something that is in keeping with long-standing tradition, style or custom.

**CONTEMPORARY** - "existing, occurring, or living at the same time; belonging to the same time." And that is exactly the same for the use of the term in interior design. Contemporary design refers to what is popular or used right now.

# **2 POINT PERSPECTIVE**

**Definition** of two-point perspective. : linear perspective in which parallel lines along the width and depth of an object are represented as meeting at **two** separate **points** on the horizon that are 90 degrees apart as measured from the common intersection of the lines of projection.

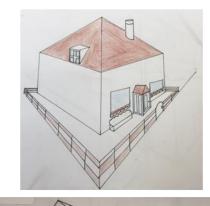


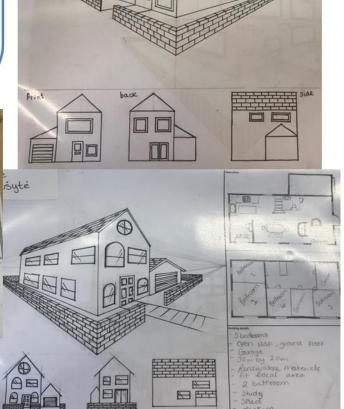
USEFUL TUTORIALS CAN BE FOUND ON YOUTUBE



FLOOR PLAN - a scale diagram of the arrangement of rooms in one storey of a building.









# Year 9 Crafts- Development of Design Proposals & Making Module 4 Knowledge Organiser

# **Modelling:**

- Model your idea in cheap, easy to use materials (Lego, card, MDF). The model should show how the parts fit together and may only show a part you need to work out.
- Photograph it and explain what you have found out from the model. It may be you have changed how it fits together, how to make parts, sizes etc. "From my modelling I have found out...."



# Continue list: | Secretary |

# Materials order and costing:

Objective: To specify materials to be ordered.

- Show a list of materials and components you will need to produce your prototype (first one you make).
- Remember to include all components (parts purchased to make the design).
- For materials which need to be cut for you to use list them using the cutting list table below (printed copies are available). You may need to add more lines to include all the materials.

Part name	Material	Sizes	Quantity needed	Notes

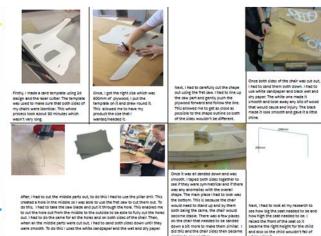
Top marks: The design has potential to be commercially viable and is suitable for the target market

# Final Design drawings:

Objective: To show a detailed, possible, final design.

- Show your design in detail, including exploded views, sections and detailed views.
- Remember to show how the parts fit together and show materials.
- The drawing should be clear, well presented and in colour.

Top marks: The design proposal needs to have enough information for someone else to be able to manufacture the idea.



# Making diary:

Objective: To show how the product was made and demonstrate our skills.

- Show the processes you are using to make your design.
   This page (or pages) will be a series of photographs taken as you work with notes to explain what you have done.
- As this is done whilst making you should use time at home to write up what you have done and use lessons in the workshop to complete the practical work.

# Scripted Key Skills Learning Lines

You can learn lines through repetition. Record and listen back, practise out loud, quiz yourself and Practise, practise, practise!

# **Action and Objective**

Breaking up the text into small sections of character motivations and direction to create texture and realism

# **Thought Track**

A characters private thoughts

# **Still Image**

A still picture of a scene often used to mark a moment during a thought track or cross cut scene

# **Cross Cut**

The stage is split into two showing contrasting scenes

# Monologue

One character delivering a speech to the audience

# **Duologue**

Two characters on stage during a scene

# **Physical Theatre**

The use of physical movement to communicate meaning, often symbolically, to the audience

# **Ensemble**

Working in a creative and cooperative group towards performance Year 9 Drama
Knowledge Organiser

# Theatre Practitoner Berlot Brecht (1898 – 1956)

He created the Distancing effect using the following skills:

- Narration
- Use of projections and signs
- Harsh / bright lighting
- Speaking stage directions
- Multi Roles
- Visible scene changes
- · Breaking the forth wall
- Spass (Silly Comedy)
- Minimal sets / costumes
- Songs interrupting the action

# Theatre Practitioner Stanislavski (1863 – 1938)

He created the Naturalism approach to acting using the following skills:

- · The 'System' Technique
- · Emotion Memory
- Actioning
- Given Circumstances
- Magic If
- · Physical Action
- Creating the Forth Wall
- Improvisation
- Emotional connection for the audience

# Characterisation

- Body Language: The way the actor uses posture, stance and gestures to communicate meaning.
- **Facial Expressions:** The use of expression to communicate emotions for the character on the face.
- **Voice:** The way the actor uses pitch, tone, volume and accent to communicate character and meaning for the audience.
- Movement: The use of pace, staging, space and levels

# Btec First Award in Engineering Module 4 Knowledge Organiser - UNIT 1 THE ENGINEERED WORLD EXAM PREPARATION.

# What is Engineering?

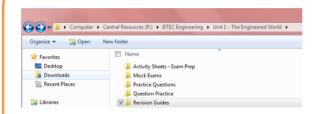
"the branch of science, maths and technology concerned with solving problems through the design, manufacture, evaluation of solutions."

# **Applications of Engineering**

- Buildings
- · Engines
- Machines
- Structures

#### **Engineering Sectors** The design, Aeroplanes, development and Helicopters manufacture of Aerospace products through flight. The design, Cars, development and Motorbikes, Automotive manufacture of Lorries vehicles. The development of Hip devices and Replacements Biomedical procedures that solve , prosthetic medical problems. legs Petrol. Diesel. The design, processing and manufacture of Bleach, Chemical equipment for the Medicines chemical industry and chemical products The way information is Mobile used around the globe. Phones, Social Communication Media, Sat Nav The design, Television, developments and Games Electrical manufacture of Console, electrical products. Laptop The design, Engines, manufacture and Machines, Mechanical testing of machines Gearboxes and other mechanical devices.

# **UNIT 1 EXAM RESOURCES**



PAPER COPIES OF REVISION GUIDES AND PAST PAPERS CAN
BE FOUND IN THE CUPBOARDS IN G24.

#### CASTING

 $\triangleright$ 

an object made by pouring molten metal or other material into a mould.



# ☐ FORGING

make or shape (a metal object) by heating it in a fire or furnace and hammering it.



Processes	Examples	Description	Examples	Advantages
	TURNING	Uses a <u>LATHE</u> a <u>CYLINDRICAL SHAPE</u> . Materials are <u>ROTATED</u> at speed and <u>MACHINED</u> into shape.		
Machining	MILLING	REMOVES EXCESS material using a ROTATING CUTTER. Materials are CLAMPED. HORIZONTAL / VERTICAL types.		
	DRILLING	Creates <u>CIRCULAR HOLES</u> . Uses a <u>DRILL BIT</u> . Good outcome = <u>SHARP CUTTING EDGE</u> tools.		
	CASTING SAND INVESTMENT DIE	POURING / INJECTING LIQUID METAL into a MOULD.  Mould has a CAVITY to create the shape of the final product. Metal COOLS and SOLIDIFIES. Casting is removed from mould.	WHEELS CAR PARTS MAN HOLE COVERS TOY CARS	INTRICATE SHAPES can be made.     GOOD SURFACE FINISH     LITTLE/NO WASTE
Forming				
	FORGING DROP PRESS UPSET	Metal being <u>HEATED UP</u> and <u>SHAPED</u> by <u>PLASTIC</u> <u>DEFORMATION</u> . Applying <u>SQUEEZING FORCES</u> e.g. <u>HAMMER BLOWS – POWER PRESS</u>	BOLT HEADS LANDING GEAR ENGINE CAM SHAFT	Improves the PHYSICAL PROPERTIES – changing the GRAIN FLOW to improve STRENGTH, TOUGHNESS and DUCTILITY.

# Plot

- Act 1: The family are celebrating Sheila and Gerald's engagement. Birling makes speeches saying there will be no war, and the Titanic is unsinkable. An Inspector arrives and tells them Eva Smith has committed suicide. He gets Mr B to admit sacking her. He doesn't take blame. Inspector gets Sheila to admit getting her sacked for laughing. She feels guilty and ashamed of herself.
- Act 2: Inspector gets Gerald to admit having an affair with Eva Smith (now called Daisy Renton after a name change). Sheila is upset and questions her relationship with Gerald. Inspector gets Mrs B to admit not helping Eva when she came to Mrs B's charity for help when she became pregnant. Mrs B says it should be the father's responsibility. At the end of the Act, we realise that the father of Eva's baby was Eric.
- Act 3: Eric's involvement with Eva is revealed and a possible rape is hinted at, as he says he forced Eva. The Inspector gives his final speech about fire, blood and anguish. He is warning the family that if they don't start to take responsibility for others, they will live to regret it. Inspector then leaves. Gerald finds out that the Inspector wasn't a real inspector. Mr B rings to check and there is no Inspector Goole. Also, there is no dead girl! Mr and Mrs B (and Gerald) celebrate and act like nothing has happened. Sheila and Eric still feel guilty and can't go back to how they were before. Right at the end, the telephone rings and they are told that a girl has just committed suicide and an inspector is on his way over to ask some questions.

#### Characters

- Mr Birling: Arrogant and Capitalist businessman who hates social equality and loves money. Sacks Eva from his factory when she asks for equal pay for women and threatens a strike.
- Mrs Birling: Snobbish and cold-hearted Capitalist who believes everyone is responsible for themselves. Doesn't help Eva when she comes to the charity for help.
- Inspector Goole: Priestley's mouthpiece (represents JBP's ideals), keen Socialist who fights for community responsibility and gets the Birlings to face up to what they have done.
- Sheila Birling: The daughter. Gets Eva sacked from the shop for smirking at her. Starts off as a spoilt rich girl but quickly changes her views, feels sorry for Eva Smith and starts to become Socialist as the play progresses. Is ashamed of her parents at the end.
- Eric Birling: The son. Drinks too much and has a one-night stand with Eva. Ends up getting her pregnant and steals from his dad to give Eva money. Regrets his actions and changes his ways. Ashamed of his parents at the end.
- Gerald Croft: Sheila's fiancé. Businessman who has Capitalist ideals and is similar to Mr Birling politically. Shows some regret for his affair with Eva, but happy to act like nothing has happened when it suits him.
- Eva Smith: A young working class woman, who is exploited by wealthy, middle class people. She is presented as a very innocent and vulnerable character and is used to represent the powerlessness of the working class. She is attractive, honourable and she is forced to become a prostitute.

### Themes

GENERATION / RESPONSIBILITY / JUSTICE/ GENDER / SOCIAL CLASS/ INEQUALITY

#### Context

- 1912 when the play was set. Just before WW1 and the sinking of the Titanic. JBP wanted to make sure audiences in 1945 recognised the problems in society in 1912 before the wars (class system, Capitalism, sexism) and weren't tempted to go back to living like that. He wrote the play to highlight the dangers of the Capitalist lifestyle.
- 1945 when the play was written and performed. After WW2, society changed for the better. The benefit system started to be introduced, and we had more equality for women and less of a class divide because of different classes and different genders mixing in the war effort. JBP supported and encouraged these changes and wanted to make sure he promoted them in his play by making Capitalists like the older Birlings appear ignorant and selfish.
- Socialism JBP was a keen socialist. This meant that he wanted everyone to look after each other rather than just caring about themselves. He was trying to promote this with the play, by making the Socialist characters like the Inspector much more respectable than the Capitalist ones. JBP uses the Inspector as a mouthpiece for this.
- Capitalism JBP hated Capitalists those who thought that everyone should only care about themselves and that making money was more important than human rights. He created Mr and Mrs Birling as Capitalists, in order to make Capitalism seem out-dated and selfish. Mr and Mrs B are portrayed in a negative way by JBP for this reason.
- Class/social mobility In 1912, the social classes were segregated, women got paid less than men for the same work, there was no benefit system or help with unemployment or housing. Society was patriarchal (men ruled).
- Family life and gender Men expected to support the perfect family and protect women. Wealthy middle class women were expected to marry into money and plan parties and have children. No housework. Children were expected to be obedient and unquestioning.
- Stereotypes the men and women start out as stereotypes. Women: shopping, clothes, weddings, protected, jealous, hysterical. Men: Work, duty, hero, womanising, drinking. By the end, the stereotypes are reversed – Sheila and Eric get stronger. The others get weaker.

# Vocabulary

- Dramatic Irony
- Tension / suspense
- Monologue
- Capitalist
- Socialist
- Interruptions
- Metaphor
- Triplets / list of three
- Stage Directions
- Patriarchy/patriarchal
- Contrast
- Direct Address
- Priestley's Mouthpiece
- Repetition
- Playwright
- Audience
- Noun/verbs/adjectives etc
- Imperatives
- Interrogatives
  - Exclamatory
  - Declarative
- Colloquial language
- Metaphor
- Omniscient
- **Euphemism**
- Imagery
- Setting
- Hierarchy

# Kev quotes – character

Mr B: 'Hard-headed business man who has to look after himself and his own' 'I refused, of course'

'The famous younger generation...and they can't even take a joke'

Mrs B: 'A rather cold woman and her husband's social superior' 'Girls of that class'

'In the morning they'll be as amused as we are'

IG: 'Millions and millions of Eva Smiths and John Smiths...we are responsible for each other'

'They will learn in fire and blood and anguish'

'Burnt her insides out of course'

#### **Key quotes - theme**

Eric: 'Not quite at ease, half-shy, half-assertive'

'I was in the sort of state where a chap easily turns nasty'

'The money's not the important thing'

Gerald: 'We're respectable citizens and not criminals you know'

'Easy well-bred young man-about-town'

'What about this ring'

Sheila: 'very pleased with life and rather excited

'You mustn't try to build a kind of wall between us and that girl. If you do, the Inspector will just break it down'

'It frightens me the way you talk'

# Year 9 - Hospitality and Catering: Module 4 Knowledge Organiser

# Intro to Sauces

The main functions of a sauce are to add flavour, colour, moisture (texture) and additional nutrients.

They can be added as an extra to a meal e.g. apple sauce with roast pork or horseradish sauce with roast beef...

or mixed in with a dish e.g. cheese sauce with macaroni to make 'macaroni cheese'.

There are several types of sauces and they can be classified depending upon the way in which they are thickened:

- with coagulating egg protein such as custard
- emulsification, e.g. mayonnaise
- with vegetable or fruit puree such as tomato sauce / apple sauce
- with starch these can be white or brown sauces with gelatine, e.g. glaze on a flan.

# Gelatinisation

Many sauces are thickened by gelatinisation of starch. When mixed with a liquid and heated, starch thickens the liquid.

During gelatinisation the following occurs:

- . starch particles form a suspension in the liquid (they do not dissolve)
- Stirring the liquid keeps the starch particles suspended if the suspension isn't stirred they stick together and sink to the bottom – forming lumps. This will then not cook correctly.
- When the liquid reaches approximately 60°C the starch grains begin to swell as they absorb the water.
- As heating continues (approx 80°C) the particles break open and release starch. This makes the mixture thick and viscous. This is gelatinisation.

# The Roux Method

The fat is melted and the flour is then stirred in and cooked on a medium heat. The liquid is added gradually off the heat. The sauce is then returned to the heat and brought back to the boil.

#### Coating Binding **Pouring** A binding sauce should be thick A pouring sauce, at boiling A coating sauce, at boiling point, should just glaze the point, should coat the back of a enough to bind dry ingredients together, so that they can be back of a wooden spoon, and wooden spoon, and should be should flow freely when used as soon as it is ready, to handled easily to be formed ensure even coating over the into croquettes, cakes etc.

# Sauces covered this module include -

#### Stock

A Stock is a liquid that has been formed by extracting flavours, nutrients and salts during the cooking process from bones, vegetables and herbs and spices. They should be: Clear in appearance, delicate in flavour and clear of grease

# Mayonnaise:

**Mayonnaise** is a thick, creamy dressing often used as a condiment. It is a stable emulsion of oil, egg yolk, and either vinegar or lemon juice, with many options for embellishment with other herbs and spices

# Bolognese Sauce:

Tomato-based and mixed with herbs and garlic. Used in spaghetti Bolognese and lasagna.

#### Lemon Curd:

A thick conserve made from lemons, butter, eggs, and sugar.

#### **Chocolate Sauce**





# Modifying sauces

Modifying sauces is easily done...

- using different milks e.g. replace full fat milk with semi skimmed resulting in a reduced fat product
- adding different herbs for additional colour and flavour e.g. parsley,
- sweetening the sauce add sugar
- enriching the sauce add cheese (also adds colour)
- altering the flavour add chocolate (also sweetens the sauce)

# FRENCH YEAR 9 MODULE FOUR (MRS TWINBERROW): DE LA VILLE À LA CAMPAGNE - MO 1-10: (KPI 1 Know the key vocabulary for the module)

Où j'habite J'habite Ma famille et moi habitons On habite dans une ville historique/touristique dans un petit village au bord de la mer au centre-ville à la campagne/montagne en ville en Angleterre/Écosse/Irlande (du Nord)/ Afrique au Maroc/pays de Galles aux Antilles à Paris/Birmingham	Where I live I live My family and I live We live in an historic/touristy town in a small village at the seaside in the town centre in the countryside/mountains in town in England/Scotland/(Northern) Ireland/Africa in Morocco/Wales in the West Indies in Paris/Birmingham	dans le nord-est du/de la/de l'/des le nord/le nord-est l'est/le sud-est le sud/le sud-ouest l'ouest/le nord-ouest Dans ma région, il y a des vignobles/stations de ski des collines/forêts des fermes/champs un port de pêche un lac C'est super parce qu'en hiver/en été, on peut (faire du ski/de l'escalade).	in the north-east of north/north-east east/south-east south/south-west west/north-west In my region there is/are vineyards/ski resorts hills/forests farms/fields a fishing port a lake It's great because in winter/summer, you can (go skiing/climbing).
Le temps Il fait beau/mauvais. Il fait chaud/froid. Il y a du soleil. Il y a du brouillard/du vent. Il y a un orage. Il pleut/neige/gèle.	Weather The weather's good/bad. It's hot/cold. It's sunny. It's foggy/windy. There's a storm. It's raining/snowing/icy.	Ici, le climat est humide/sec. Il peut faire très chaud/froid/doux. Il ne fait pas trop chaud/froid au printemps en été/automne/hiver	Here, the climate is wet/dry. It can be very hot/cold/mild. It's not too hot/cold in spring in summer/autumn/winter
Les transports Je vais/peux aller au collège à pied/vélo en train/métro/car/ voiture/bus	Transport I go/can go to school on foot/by bike by train/underground/coach/ car/bus	Les transports en commun sont bons.	The public transport is good.
	In town There is/are a castle a leisure centre a market a museum a park a stadium a supermarket a theatre a library a cathedral a church a (train) station a town hall a mosque a chemist a post office hotels	beaucoup de magasins Il n'y a pas de Est-ce qu'il y a un/une/des près d'ici/ par ici? Va/Allez tout droit. Tourne/Tournez à droite/gauche. Prends/Prenez la première/deuxième rue à droite/gauche. Continue/Continuez jusqu'au carrefour/ jusqu'aux feux. Traverse/Traversez la place/le pont. Descends/Descendez la rue. C'est (assez) loin/tout près sur ta/votre droite/gauche au coin en face (du/de la/de l'/des) à côté (du/de la/de l'/des)	lots of shops There isn't a/aren't any Is/Are there a/some near here/ round here? Go straight on. Turn right/left. Take the first/second road on the right/left. Continue as far as the crossroads/ traffic lights. Cross the square/bridge. Go down the road. It's (quite) a long way/very close on your right/left on the corner opposite next to

## Ma région

Ma région/Une région que je connais bien, c'est ... C'est dans le (nord/sud) de ...

près de la Manche/la frontière allemande/espagnole

J'y habite depuis .../J'y vais ...

## My region

My region/A region that I know well

It's in the (north/south) of ... near the English Channel/ the German/Spanish border I have lived there since .../I have

On peut y faire/visiter/voir ... La région est connue pour ... Une personne célèbre qui est née en ..., c'est ...

Le paysage/La côte est vraiment

magnifique/impressionnant(e).

The landscape/coast is really wonderful/impressive. You can do/visit/see ... there. The region is known for ... A famous person who was born in ... is ...

# Les renseignements

Qu'est-ce qu'on va faire à ...? Je veux absolument (faire une promenade I definitely want to (go on a boat trip). en bateau).

J'ai envie de (louer un bateau). Ça m'intéresse de voir ... Je tiens à (visiter l'aquarium). Je voudrais aller au/à la/à l'/aux ... J'aimerais bien monter à la/au ...

# Information

What are we going to do in ...?

I feel like (hiring a boat). I'm interested in seeing ... I'm keen on (visiting the aquarium). I would like to go to ... I would like to go up ...

Je ne veux pas rater/manquer (l'exposition sur) ... Bonne idée. Pourquoi pas? Je veux bien faire ça aussi. D'accord. Ça m'est égal.

Ca ne me dit rien. Je n'en ai pas tellement envie. Ca a l'air nul!

I don't want to miss (the exhibition on) ... Good idea. Why not? I want to do that too. OK. I don't mind. I don't fancy that. I don't really feel like it. That sounds rubbish!

# Ville de rêve ou ville de cauchemar?

l'habite à...

C'est un petit village/une grande ville dans ...

J'habite dans la banlieue/un quartier de ... Ce qui me plaît ici, c'est qu'il y a ...

En été/hiver, on peut ...

Le problème, c'est que/qu' ...

il n'y a pas assez de (magasins/ espaces verts)

il n'y a plus de (cinéma) il n'y a ni (parc) ni (aire de jeux)

il n'y a aucun (bowling) il n'y a aucune (zone piétonne) il n'y a qu'un seul (magasin) il n'y a gu'une seule (rue) il n'y a rien pour les jeunes il n'y a pas grand-chose à faire

# Dream town or nightmare town?

I live in ...

It's a small village/big town in ...

I live in the suburbs/a district of ... What I like is that ... In summer/winter, you can ...

The problem is that ... there is/are not enough ... (shops/ green spaces)

there is/are no longer (a cinema) there is neither (a park) nor (a playground)

there isn't a (single) (bowling alley) there isn't a (single) (pedestrian area) there is only one (shop) there is just one (street) there is nothing for young people

Ilva...

beaucoup de monde/de voitures trop de circulation/de gens tellement de bruit/de gens au chômage peu de travail/de transports en commun/commerces

toujours des déchets par terre plusieurs boîtes de nuit/cafés/ restaurants

Le bowling a fermé.

C'est sale/(trop) tranquille/très animé. Ce n'est jamais tranquille.

Je trouve ça triste/déprimant/affreux/ nul/désagréable.

En général, je (ne) suis (pas) content(e) de mon village/quartier/ma ville.

There is/are ...

lots of people/cars too much traffic/too many people

so much noise/so many people out of work

not much work/public transport/ not many businesses always litter on the ground several nightclubs/cafés/

The bowling alley has closed down. It's dirty/(too) quiet/very lively. It's never quiet.

restaurants

I find that sad/depressing/awful/ rubbish/unpleasant. In general, I am (not) happy with

my village/district/town.

# Les projets

Ou'est-ce qu'on fera? On ira pique-niquer dans le parc. Ce sera génial! Je resterai à la maison.

#### Plans

What shall we do? We'll have a picnic in the park. That will be great! I will stay at home.

there's not a lot to do

Je regarderai un film. Je jouerai à des jeux vidéo/au football. On ne fera pas de barbecue. On mangera dans un restaurant.

I will watch a film. I will play video games/football. We won't have a barbecue. We will eat in a restaurant.

Quel temps	fera-t-il?
l y aura	
du vent	
du soleil	
du tonnerre	1
de la grêle	
de la pluie	
des averses	

# What will the weather be like? There will be ... wind

Il fera ... beau/chaud/froid/frais Le temps sera ... thunder brumeux/ensoleillé nuageux/orageux variable Le ciel sera bleu/gris/couvert. showers lightning Les températures seront en baisse/ It will be ... fine/hot/cold/cool The weather will be ... misty/sunny cloudy/stormy changeable

The sky will be blue/grey/overcast. The temperatures will be going down/ going up.

# des éclaircies En pleine action!

des éclairs

J'ai/Nous avons ... collecté de l'argent vendu nos vieux jeux et jouets lavé des voitures acheté (de la peinture) planté des arbres lancé une pétition en ligne obtenu presque 2 000 signatures écrit un article dans le journal local

# Taking action

sunny intervals

sun

hail

rain

I/We have ... collected money sold our old games and toys washed cars bought (paint) planted trees launched a petition online obtained nearly 2,000 signatures written an article in the local newspaper

Le week-end prochain, nous irons là-bas pour ...

ramasser les déchets nettoyer la salle repeindre les murs

en hausse.

La semaine prochaine, on finira d'installer/de construire ...

un passage piéton un panneau une aire de jeux

Next weekend, we will go there to ...

pick up litter clean the room repaint the walls

Next week, we will finish installing/

building ...

a pedestrian crossing

a sign a playground

# Les mots essentiels

ailleurs ne ... aucun(e)(s) ne ... jamais ne ... ni ... ni ... ne ... personne ne ... plus ne ... que ne ... rien non plus alors donc de plus en plus également

High-frequency words elsewhere not any, not a single never neither ... nor ... nobody, not anyone no longer, no more only nothing nor/either so, therefore so, therefore what's more, moreover also

equally, also

d'ailleurs par contre malheureusement enfin plein de tellement le lendemain selon plusieurs quelques trop (de) peu (de) assez (de)

tellement (de)

moreover, besides on the other hand unfortunately finally lots of really/so the next day according to several some too much/many little/not much

enough

so much/many

# FRENCH YEAR 9 MODULE FOUR (MRS WILCOX): DE LA VILLE À LA CAMPAGNE - MO 1-11: (KPI 1 Know the key vocabulary for the module)

Où habites-tu?  J'habite  dans une ville/un village au centre-ville au bord de la mer à la campagne/montagne en ville à Londres/Manchester, etc.	Where do you live? I live in a town/village in the town centre at the seaside in the countryside/mountains in town in London/Manchester, etc.	dans le nord/le sud/l'est/ l'ouest dans le centre de l'Angleterre/Écosse/Irlande (du Nord) de la France du pays de Galles	in the north/south/east/west in the centre of England/Scotland/ (Northern) Ireland of France of Wales
Qu'est-ce qu'on peut faire? On peut aller à un match de foot aller au cinéma faire du cheval faire du ski faire du snowboard	What can you do? You can go to a football match go to the cinema go horse-riding go skiing go snowboarding	faire des promenades faire les magasins se baigner dans la mer se détendre sur la plage visiter le château visiter les musées	go for walks go shopping swim/bathe in the sea relax on the beach visit the castle visit the museums
Dans ma ville/mon village Dans ma ville/mon village, il y a un bureau de poste/une poste un centre de loisirs un château un marché un musée un parc/jardin public un stade	In my town/village In my town/village there is/are a post office a leisure centre a castle a market a museum a park a stadium	un supermarché une bibliothèque une église une gare (SNCF) une mosquée des hôtels des restaurants Il n'y a pas de	a supermarket a library a church a (railway) station a mosque some hotels some restaurants There isn't a/aren't any
Les directions Où est le/la/l'? / Où sont les? Pour aller au/à la/à l'/aux? Va/Allez tout droit. Tourne/Tournez à gauche/droite. Prends/Prenez la première/ deuxième/troisième rue à gauche/droite.	Directions Where is the? / Where are the? How do I get to the? Go straight on. Turn left/right. Take the first/second/third street on the left/right.	Traverse/Traversez le pont/la place. Descends/Descendez la rue. C'est près/loin? C'est tout près/assez loin.	Cross the bridge/square. Go down the street. Is it near/far? It's very near/quite far.
Qu'est-ce qu'il y a dans ta région?  Dans ma région, il y a un lac un port de pêche une rivière/un fleuve des champs des collines des fermes des forêts des stations de ski des vignobles	What is there in your region?  In my region there is/are a lake a fishing port a river fields hills farms forests ski resorts vineyards	En Bretagne, il y a un beau château une belle cathédrale des villes historiques de vieilles maisons de vieux bâtiments On peut faire de la voile faire des randonnées à vélo	In Brittany there is/are a beautiful castle a beautiful cathedral historical towns old houses old buildings You can go sailing go for bike rides

#### Le meilleur ...

le meilleur climat la meilleure équipe de football le plus beau paysage les plus belles plages le plus long fleuve la plus longue piste de ski

#### The best ...

the best climate the best football team the most beautiful countryside the most beautiful beaches the longest river the longest ski slope les monuments les plus célèbres

la plus haute tour le musée le plus populaire la région la plus historique les stations de ski les plus populaires

the highest tower the most popular museum the most historical region the most popular ski resorts

the most famous monuments

# Visiter une ville

le voudrais visiter/voir ... Je ne voudrais pas rater ... l'aquarium l'exposition sur ... le spectacle son et lumière

#### Visiting a town

I would like to visit/see ... I wouldn't like to miss ... the aquarium the exhibition on ... the sound and light show

le voudrais louer des vélos. l'aimerais ... faire une promenade en bateau monter à la tour de l'horloge

I would like to hire bikes. I would like to ... go on a boat trip climb the clock tower

# Les renseignements touristiques Tourist information

(Le château) est ouvert quels jours de la semaine? C'est ouvert (tous les jours/tous les jours sauf le dimanche). Quels sont les horaires d'ouverture? C'est ouvert de (9h) à (17h). C'est combien, l'entrée? Ca coûte ... pour les adultes et ... pour les enfants. Est-ce qu'il y a un restaurant ou une cafétéria?

Le temps/La météo

On which days is (the castle) open? It's open (every day/every day except Sundays). What are the opening hours? It's open from (9 a.m.) until (5 p.m.). How much is the entrance fee? It costs ... for adults and ... for children. Is there a restaurant or a cafeteria?

Avez-vous un dépliant/un plan de la ville? Où est-ce qu'on peut acheter des billets? la durée les tarifs

gratuit accessible aux personnes handicapées les chiens sont acceptés

Do you have a leaflet/a map of the town? Where can we buy tickets?

duration prices free

accessible to disabled people

dogs are welcome

# The weather/ The weather forecast

Quel temps fait-il? Il fait beau. The weather is good. The weather is bad. Il fait mauvais. Il fait chaud. It's hot. Il fait froid. It's cold. Il y a du soleil. It's sunny. Il v a du brouillard. It's foggy.

What is the weather like? Il y a du vent. Il y a un orage. Il pleut. Il neige. près de la Manche sur la côte atlantique sur la côte méditerranéenne It's windy. There's a storm. It's raining. It's snowing. near the Channel on the Atlantic coast on the Mediterranean coast

# Les projets

aller à la pêche

aujourd'hui demain après-demain ce week-end cette semaine S'il fait beau/mauvais (etc.), on va ... If the weather's good/bad (etc.),

# Plans

today tomorrow the day after tomorrow this weekend this week we're going to ... go fishing

aller à la piscine (en plein air)

faire un barbecue faire un pique-nique faire de la luge rester à la maison regarder la télé

go to the (open-air) swimming pool have a barbecue have a picnic go tobogganing stay at home watch TV

# Ville de rêve ou ville de cauchemar? C'est ...

très animé trop tranquille sale

pollué triste

Ce n'est jamais propre. llya... de bons transports en commun

seulement des maisons et une église

trop de circulation

# Dream town or nightmare town?

It's ... very lively too quiet dirty polluted sad It's never clean.

There is/are ... good public transport only houses and a church

too much traffic

trop de bruit

toujours des déchets par terre Il n'y a rien pour les jeunes. Il n'y a pas grand-chose à faire. Il n'y a pas de zone piétonne. Il n'y a plus de cinéma.

Le cinéma est fermé. un club pour les jeunes les poubelles en banlieue

le quartier

too much noise

always rubbish on the ground There is nothing for young people.

There is not much to do. There is no pedestrian precinct. There is no longer a cinema. The cinema is closed (down).

a youth club bins

in the suburbs

neighbourhood, district, part of town

# Les mots essentiels

s'il te plaît/s'il vous plaît merci de rien aussi sauf si trop

High-frequency words please thank you you're welcome also except (for)

too

trop de seulement avant maintenant D'accord! Bonne idée! too much/many

only before now OK!

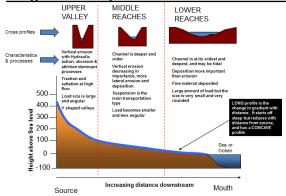
Good idea!

# **Key words**

Waves crash against rocks and compress air in the cracks
which puts pressure on the rocks. Repeated compressions
widens the cracks and causes part of the rock to break away
Eroded particles in the water scrape and rub against the rock
Eroded particles in the water smash against each other and
break in to smaller fragments
Chemicals in the water dissolve the rock
This deepens the river channel making it V shaped in the
upper course of the river
This widens the river channel in the middle and lower
courses of the river
Large particles like boulders are rolled along the river bed
Pebble sized particles are bounced along the river bed
Small particles like silt and clay are carried along by the
water
Soluble materials dissolve in the water
Sediment is dropped by the sea when it loses energy

KPI 1 Describe and explain the changing features of a rivers long and cross profile (pg.66)





KPI2 Describe and explain the formation of landforms in the upper course of the river (pg68)

#### **Interlocking Spurs**

- In the upper course of the river most of the erosion is vertical which creates
   V shaped valleys.
- Rivers aren't powerful enough to erode laterally which means they have to wind around the high hillsides in their path.
- The hillside interlock with each other and the river winds around them.

#### Waterfalls

- Formed when a river flows over an area of hard rock followed by softer rock.
- The softer rock is eroded quicker (by hydraulic action and abrasion) creating a step in the river.
- As water goes over the step the erosion continues which creates steep drop.
- The hard rock is eventually undercut and collapses.
- The collapsed rock swirls around the foot of the water fall eroding the rock (abrasion) creating a plunge pool.
- Overtime the waterfall retreats leaving a gorge.

# KPI3 Describe and explain the formation of landforms in the middle course of the river (pg69)

#### Meander

- Rivers develop large bends called meanders in the middle and lower course.
- The current is faster on the outside of the bend because the channel is deeper and there is less friction. This means there is more erosion in this area.
- The current is slower in the inside of the bend because the channel is shallower. This
  means there is deposition in this area forming slip-off slopes.

#### Oxbow lakes

- Meanders get larger over time.
- Erosion causes the outside of the bends to get closer until there is a small piece of land left between them called the neck.
- The river eventually breaks through his land and the river flows along the shortest course.
- Deposition eventually cuts off the meander forming an oxbow lake.

# KPI4 Describe and explain the formation of landforms in the lower course of the river (pg. 70)

#### **Floodplains**

A wide flat valley floor on either side of the river. When a river floods the water deposits material making the floodplain higher.

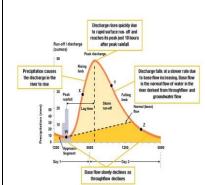
#### Levees

Natural embankments (raised bits) along the edges of the river. During flooding material is deposited with the largest pieces closets to the river. Over time this builds up.

#### Estuaries

Found at the mouth of the river when it enters the sea. Water is tidal and floods the banks. Material is deposited which creates mudflats.

# KPI5 Describe and explain the key characteristics of a storm hydrograph (pg. 73)



Rivers flood due to both human and physical factors.

#### Physical;

Prolonged and/or heavy rain Geology- impermeable rocks prevent infiltration which increases run-off. Relief- the change in the height of the land.

#### Human;

Land use- buildings are made of impermeable rock
Trees intercept water and deforestation increases the volume of water reaching the river.

#### KPI6 Evaluate the techniques used to reduce the risk of flooding (pgs.74-77)

Method	Benefits	Disadvantages
Dams and reservoirs (hard)	Reservoirs store water reducing the volume of water downstream. Water can be used for	Dams are very expensive to build and reservoirs can flood existing settlements. Material is deposited in
	drinking and HEP.	the reservoir affecting farmland downstream
Channel straightening (hard)	Water moves quickly reducing the risk of flooding	Flooding risk and erosion rates increase downstream as the water ins moving faster.
Embankments (hard)	Increasing the volume of the channel	Very expensive and they can break
Flood relief channel (hard)	River discharge is reduced and gates can control the release of water	There is increased discharge as the water is released after the flood
Flood warnings (soft)	People have time to move belongings upstairs and evacuate	They don't prevent flooding and people may not hear them
Flood plain zoning (soft)	The risk of flooding is reduced as building work does not happen on the floodplain	Space is limited in some urban areas which can cause conflict and some floodplains are already built on
Afforestation (soft)	Interception increases which reduces discharge. Creates habitats.	Less land available for farming
River restoration (soft)	Removing land made levees allows flood plains to flood. River is in its natural state	Local flood risk increases if nothing else is done

Module 4- Career Pathways within the hair and beauty sector

Key words	Description of key word
Career	An occupation undertaken for a significant
	period of a person's life with opportunities for
	progress
Job role	An overall description of what a person is
	expected to do in their job position.
Job responsibilities	Specific tasks a person is expected to do as
	part of their job role
Salary	A fixed regular payment, typically paid on a
	monthly basis but often expressed as an
	annual sum, made by an employer to an
	employee.
Skill set	A skill set is a particular category of skills
	necessary to acquire a job.
Education and training	College, Schools and private academy's offer
	hair and Beauty courses/apprenticeships
Attributes	Features or qualities that are part of
	someone's character

Job	role	es in	hair	and	beauty

Hairdresser, Beauty Therapist, Spa Therapist, Barber, Massage therapist, Nail technician, Makeup artist

Job Role	Description of job role
Assistant	Is a person who is not yet qualified but may have started their training
Junior	Could be a newly qualified person or about to finish their training
Senior	Is a fully qualified person with a minimum of one- two years' experience
Consultant	Is a fully qualified person, with a least three years' experience
Salon manager/owner	Is a fully qualified person with at least 5 years employment and some management experience

Employment status	Description
Self- employed	<ul> <li>Do not have a contract of employment</li> <li>You must pay your own income tax and NI</li> <li>You decide how much to charge for your work</li> <li>You choose your own hours and choose your own holiday</li> <li>You do not get paid for sickness and holiday</li> <li>You must be entitled to a safe and healthy working environment</li> <li>Your maternity allowance is slightly different</li> </ul>
Employed	<ul> <li>You work under a contract of employment that states all the terms and conditions relating to your job role</li> <li>Your employer is obliged by law to deduct tax and NI from your wages before paying them to you</li> <li>You are entitled to maternity leave, adoption leave and paternity leave.</li> <li>You cannot be unfairly dismissed and you should get statutory redundancy pay.</li> <li>You are entitled to holiday pay</li> <li>Some employers pay sick pay but not all of them</li> </ul>

Data protection Act- Only relevant information should be collected, the information should only be used by the professionals involved and not with a third party, information should be held securely and should be updated regularly and available for the client if they wish to see their own.

Life events are expected or unexpected events that occur in an individual's life. You will explore the different events that can impact on people's physical, intellectual, emotional, and social development.

starting a new school

the death of a friend

physical injury or

starting work

or relative
going through
puberty
getting married
the birth of a
brother or sister

illness

# Expected and unexpected

expected	unexpected
√	
	4
√	
	4
√	
√	
√	

	expected	unexpected
bankruptcy		4
divorce or the breakdown		√
of a serious relationship		
going through the	√	
menopause		
redundancy		<b>√</b>
unemployment		√
retirement	√	
winning the lottery		1

How can certain life events affect us Physically, Intellectually, Emotionally and Socially?

Physical events

Accident

Injury

Ill health

Relationship changes:

Entering into relationships

Marriage

Divorce

Parenthood

Bereavement

Life circumstances

Moving house, school, job

Exclusion from education

Redundancy

Imprisonment

Retirement

This option focuses thematically on the main trends in the history of health and medicine in Britain from c.500 to the present day. Candidates will be required to consider the causes, treatment and prevention of illness and disease, advances in medical knowledge, developments in patient care and advances in public health and welfare over time. Candidates will also be required to examine the major political, social, economic and cultural perspectives which have contributed to the development of health and medicine from c.500 to the present day. In this option, centres should ensure that they focus, where appropriate, on the issues of change, continuity, significance and turning points. As part of this option candidates will investigate an historic site connected with this theme. The required content in italics shows which key features and characteristics of the period must be studied.

Key questions	Required Content
<u>Causes of illness and disease</u> What have been the causes of illness and disease over time?	Problems in the medieval era: poverty, famine, warfare: lack of hygiene in the medieval and early modern eras with reference to the Black Death of the fourteenth century and the Great Plague of the seventeenth century; the effects of industrialisation and the incidence of cholera and typhoid in the nineteenth century; the spread of bacterial and viral diseases in the twentieth century
Attempts to prevent illness and disease  How effective were attempts to prevent illness and disease over time?	Early methods of prevention of disease with reference to the Black Death: alchemy, soothsayers and medieval doctors; the application of science to the prevention of disease in the late eighteenth and early nineteenth centuries: the work of Edward Jenner and vaccination; the influence and spread of inoculation since 1700; the discovery of antibodies and developments in the field of bacteriology
Attempts to treat and cure illness and disease  How have attempts to treat illness and disease changed over time?	Traditional treatments and remedies common in the medieval era: herbal medicines, barber surgeons, use of leeches; Joseph Lister and the use of antiseptics in the later nineteenth century; James Simpson and the development of anaesthetics; twentieth century developments: Marie Curie and the development of radiation; the roles of Fleming, Florey and Chain regarding antibiotics; Barnard and transplant surgery; modern advances in cancer treatment and surgery; alternative treatments
Advances in medical knowledge  How much progress has been made in medical knowledge over time?	Common medical ideas in the medieval era: the influence of alchemy, astrology and the theory of the four humours; the influence of the medical work of Vesalius, Pare and Harvey in the sixteenth and seventeenth centuries; nineteenth century advances in medical knowledge: improved knowledge of the germ theory: Pasteur and Koch; the development of scanning techniques in the twentieth century: X-rays, ultrasound and MRI scans; the discovery of DNA and genetic research in the later twentieth century
Developments in patient care How has the care of patients improved over time?	The role of the church and monasteries from medieval times up to the mid sixteenth century; the roles of voluntary charities in patient care after the mid sixteenth century; science and the development of endowed hospitals in the late eighteenth century; Florence Nightingale and the professionalisation of nursing in the nineteenth century; the impact of the early 20 <sup>th</sup> century Liberal reforms; the Beveridge Report of 1944 and provision under the NHS after 1948
Developments in public health and welfare How effective were attempts to improve public health and welfare over time?	Public health and hygiene in medieval society; public health and hygiene in the sixteenth and seventeenth centuries; the impact of industrialisation on public health in the nineteenth century; the work of Edwin Chadwick leading to Victorian improvements in public health; efforts to improve housing and pollution in the twentieth century; local and national government attempts to improve public health and welfare in the twenty-first century: campaigns, fitness drives, healthy eating

Health	and Medicine 1	: Causes of illness and disease	KPI 1 A	Medieval causes		KPI 2 C	ase Study: The Black Death	
1069 1315 1348		s Europe ath arrives in Britain	grow their own food, which meant they need	ople in England worked in agriculture. Only 25% of families had enough land to bod, which meant they needed a job, which were hard to find. Most people lived ne, eating pottage. Some ate animals but there were harsh fines for poaching.		The ship brought w Black Death - that	What was it? In 1348 a ship arrived in Melcombe in Dorset. The ship brought with it a deadly disease - known as the Black Death - that killed over 50% of the population of	
1389 1461		ulton dies in a well vnton kills 20,000	Famine In 1069, William I punished Anglo-Sa				wiping out entire villages.	
1665	The Plague hi	ts London	called the Harrying of the North. All of Euro	into their fields so crops would not grow. Thousands died of hunger. This was What did people think caused the Black Death ng of the North. All of Europe went through a hard famine from 1315-17 in which the time had no idea about the causes of the B		ea about the causes of the Black Death		
1848	Cholera epide	emic kills 60,000	15% of the population died.			Some argued that it was caused by:  1. Bad smells, caused by rotting food		
1854 1861	onotoru opiuomio muo oo,ooo		War In the later Middle Ages, armies were very large and fighting was bloody. In the Battle of Townton in 1461, for example, 28,000 died. Armies also relied on the local population for food. If			eople not going to church		
1918		lls 40 million world wide	an army passed through a village, villagers were left hungry by soldiers stealing food and animals		4. The movement of the planets			
1980	AIDS pandem	ic begins	Accidents Everyday life was dangerous. In 1389 Johanna Appulton was killed after falling into a What actually caused the Black Death? The Black					
Agricul	ture	Farming	well. Two servants came to rescue her but th	ey also fell in.	was a disease called the bubonic plague. The cause of t disease was the 'Yersina pestis bacterium' which w			
AIDS Bacteri Black De Bubonic		Virus that destroys immune system Spread by bacteria Plague that hit Britain in 1348 Disease spread by fleas on rats			e fleas lived in the fur of black rats and			
Battle o	of Townton	1461 battle that killed 20,000		KPI 3 The Plague and Renaissanc	e ideas about caus	es of disease		
Epidem Famine	ntaminated Infected  demic Widespread disease nine Shortage of food vrying of the When William I punished the North of England for rebelling		What was it? The plague was a deadly disease that came frequently to major towns and cities. In 1665, for example, 100,000 people died of the plague in London, nearly a quarter of the city's population.	Renaissance doctors were equally period. Suggest 1. A punishr 2. Bad air	What did people think caused it? aissance doctors were equally as clueless as people in the Medieval period. Suggested causes included: 1. A punishment from God 2. Bad air or 'miasma' 3. Cats and dogs spread the disease  What actually caused it? The cause of the disease was the 'Yersina pestis bacterium' which carried by fleas. The fleas lived in fur of black rats and could easily joint onto humans.			
Pandem	nic	Disease spread across the world	KPI 4 Industrial o	causes		KPI 5 2 <u>0<sup>th</sup> C</u> e	entury causes	
Phossy .	1214/	Disease caught in match factories				Till To 20 Serieur y Eddoco		

Industrialisation

During the 19th Century, more and

more people began to work in

factories, exposing themselves to new

diseases. Girls making matches

developed 'phossy jaw' caused by

the phosphorous used to make match

heads. Coal miners developed

pneumoconiosis, a lung disease

caused by breathing in coal dust.

Machines in the new factories were

unsafe and often crushed limbs.

sanitation. Prince Albert, Queen Victoria's husband, died of typhoid in 1861.

Urbanisation

People moved to towns to find work

in factories. Conditions in the slum

housing of industrial towns were

terrible: whole families lived in one

room, toilets were shared by many

families, and smog filled the air. In

1842, the life expectancy of a worker

in London was just 16. These

conditions led to diseases such as

rickets, a bone disease caused by a

lack of fresh air and sunlight.

**Phosphorous** 

Pneumoconiosis

The Plague

Poaching

Pottage

Rickets

Typhoid

Transmit

William I

Virus

Sanitation

Slum Housing

Chemical causing phossy jaw

Killing animals illegally

Cleanliness / hygiene

Infectious disease

Stew

Spread

1665 outbreak of bubonic plague

Lung disease common in coal miners

Disease caused by a lack of sunlight

Bacterial disease in food/water

King of England 1066-1087

Poor quality and overcrowded housing

**KPI 5 20th Century causes** Cholera and Typhoid Spanish Flu In 1918, the last year of World War I, the world was hit by a flu New diseases began to spread in the industrial period. Cholera is a bacterial pandemic. Globally, the flu killed more people than World War I and around disease caused by infected water, although no one knew this at the time. There 280,000 died in the UK. The flu spread faster because of wartime conditions: the movement of soldiers around the world helped transmit the disease to new were cholera epidemics in 1848 (60,000 dead) and 1854 (20,000). Typhoid is a bacterial disease caught from contaminated food and water caused by poor places and returning soldiers brought the virus back home.

AIDS Acquired Immune Deficiency Syndrome (AIDS) was first identified in the USA in the 1980s. People do not die of the AIDS virus, but it destroys the immune system so patients die of simple infections, like the common cold. Globally, more than 40 million have died from AIDS, including celebrities such

1. Having unprotected sex with someone who has AIDS

2. Sharing needles whilst injecting drugs with someone who has AIDS

as Freddie Mercury, the lead singer of Queen. AIDS is usually caused by:

3. Being born to a mother with AIDS

Just like the Black Death, many people did not know how AIDS was spread. they worried that:

- 1. AIDS was God's punishment for modern attitudes to sex and drugs
- 2. AIDS could be caught from simply touching someone with the virus

Health	and Medici	ne 2: Preventing illness and disease		KF	PI 6 Preventi	ng the Black Deat	h		KPI 7 Other Me	dieval methods of prevention
410 1348 1753	Black Dea	eave Britain th arrives in Britain d discovers the cause of scurvy		g fresh water	to their tow	ns. However, this	nygiene and the Romans knowledge was lost when thincluded:		through scientific experime lots of useful scientific d	e attempt to turn other metals into gold ents. Although no one managed to do this, iscoveries were made in this way. Many
1795 1694 1796	Charles G Queen Ma	ordon discovers cause of 'child bed fever' ry dies of smallpox enner develops smallpox vaccine	The role of the The church argue Black Death was	d that the	he Some came close to		Other preventions Some less effective preventative method		keep you young forever. Th made from vinegar and usua	arching for the Elixir of Life: a medicine to e medicine - known as quintessence - was ally just made the patient violently sick.
1840 1854 1866 1871	John Snov Anti-Vacc	ent makes smallpox vaccine free for kids v prevents cholera in London ine League formed oduced for not vaccinating children	people not prayin To stop the dise church ordered   march through tov for forgiveness.	ease, the people to wns praying The most	Edward III Black Deat smells s streets o	thought that the h came from bad o ordered the fondon to be	included:  1. Having a bath in ur three times a day 2. Cutting yourself ar letting the cut bleed to	nd	collected herbs and plants a charm that would prote	laimed to have powers of prophesy. They to be used as charms. People could pay for ct them against illness. The most famous pton who lived in Yorkshire. Shipton used well to heal her patients.
1955 1993 1994 1998 2012	Measles v Hepatitis Link betw	cine introduced accine introduced B vaccine introduced reen MMR and autism 'identified' sles outbreak in Britain	extreme group was the cleaned. Re flagellants who whipped painted or themselves to show God that victims, was		led crosses were on the doors of varning others to ay away.	out evil spirits 3. Carrying a bunch of sweet smelling flowers to keep bad smells away		Medieval doctors The few doctors that existed were trained in and France but were ineffective because so little was known about causes of disease. Some monks in monasteries provided medical of Apothecaries made up herbal remedies.		
2012				KPI	8 Renaissan	ce prevention			KPI 9 Ind	ustrial prevention
Apo Bac Blo Child- Eli F Ge	Alchemy ntibodies thecaries Bacteria teriology bed fever Cowpox xir of Life Eradicate Fad lagellants rm theory Hygiene noculated	Turning metal into gold Cells defending against germs People wo sell natural cures Tiny cells spreading diseases The study of bacteria and disease Bleeding to stop disease Deadly infection caught in childbirth Mild disease caught from cows Medicine to make you live forever Completely get rid of A craze Group who whipped themselves Idea that disease is spread by germs Keeping clean Given a mild disease to protect against a more serious disease Machine for studying germs	Fads The Renaissance saw the development of health fads, often inspired by knowledge of Greek and Roman medicine. For example:  1.Vegetarianism 2.Teetotalism 2.Bloodletting  Told Water The sci experim Renaiss experim regularly stream of cold water) would keep them healthy. Spa and seaside towns like Bath and regularly stream popular. The rich mocked at discover of cold water in their scurvy a		The scientifi experiments to Renaissance was science became For example, in worked out the spread by midwadvised that do regularly and was treating patis mocked at the todiscovered the scurvy and recovered the scurvy and recovered to the scurvy and recov	ientific Method c method meant using o work things out. The was the first time that e important in medicine. I 1795 Alexander Gordon t 'child-bed fever' was ives and doctors. Gordon ctors wash their clothes ash their hands in before ents, although he was ime. In 1753, James Lind at a lack of fruit caused commended that British drink lime juice.	Ir po de: Bro P Di the	disease, including the microsco- became a much bigger influe John S In 1854, John Snow, a doctor in oor quality water and cholera. Ath on a street plan. There we bead Street - in just two weeks ump on Broad Street and the been using polluted water Guring the 19th Century, Louis P oory: the idea that tiny bacter yeloped the science of bacteri body's natural defence aga	nventions that helped stop the spread of ope and stethoscope. In general, science once on medical practice. For example: now and Cholera of London, demonstrated the link between the recorded the location of each cholera of ever 500 deaths focussed on his street of the same recorded. The water company had from the River Thames in the pump. Theory asteur, a French doctor, discovered germ is a spread diseases. A German, Robert Koch, ology and worked out that antibodies - the ainst germs - could destroy bacteria.	
	Milkmaids	Women who milk cows					KPI 10 Case study: \	accin	nation	
Mo Quii So Te Va	R vaccine on asteries Prophesy ntessence Scurvy Smallpox othsayers Sparetotalism occination Yorkshire	measles, mumps, and rubella vaccine Where monks live Predicting the future So-called elixir of life A disease caused by a lack of Vitamin C A deadly infectious disease Wise women who predicted the future Water spring Not drinking alcohol Inoculating against disease County in the North of England	Edward Jenner and Smallpox  Smallpox was a deadly disease, killing 35,000 in 1796 and even killing Queen Mary in 1694. In 1796, Edward Jenner, a country doctor from Gloucestershire, noticed that milkmaids who had caught cowpox never caught smallpox. Jenner worked out that having cowpox inoculated patients against smallpox. He proved this by injecting his own 11-month-old son with cowpox and then smallpox: the boy survived. Jenner had discovered vaccination.			. In vacci om par o had vaccir disease ded Lea by comple wpox more v r had measles	nation free to all children ents who didn't vaccinate nation, claiming that it wa e or interfere with God's p gue in 1866. However, vac tely eradicating smallpox accines were introduced f (1993), and Hepatitis B (1	epidel and in their of swron lan, ar ccinat by the or dise 994).	mic, the government made 1871 introduced fines for children. Many opposed og to inject children with a nd formed the Anti-Vaccine	MMR debate In 1998 Dr. Wakefield published research showing that the MMR vaccine could lead to autism. This caused a widespread rejection of the MMR vaccine, a real danger because 95% of children need to be vaccinated for a disease to be eradicated. Wakefield's research has been rejected but vaccination rates are only 93% and Britain had its first measles outbreak in 2012.

Health and Medicine	3: Treating and curing illness and disease					KPI 11 Medie	eval treatments		
1847 James Simp 1853 Queen Victo 1871 Joseph Liste 1880 Berkeley Mo 1886 Gustav Neul	vey publishes study of circulation uson first uses chloroform on a patient oria uses chloroform during childbirth er invents carbolic acid spray oynihan uses surgical gloves ber uses a sterile operating theatre wins first Nobel Prize	Herbal remedies included a mixtur honey and plants and were written of with strict instructions about whi herbs to pick and when. Some reci		Herbs were widely used to cure diseases. Herbal remedies included a mixture of honey and plants and were written down with strict instructions about which herbs to pick and when. Some recipes would only work if the herbs were picked  Many people thought that illnesses were caused by the body creating too much blood so curing disease often involved letting a patient bleed. This was either done by cupping (sucking blood out of the body) or with leeches. Leeches were		s were the Medievolved to barber either your hair, but of s were out of had no me	arber Surgeons If few trained surgeons in al period so people went surgeons. As well as cut barber surgeons mended mbs, pulled teeth, and surgery. Barber surgeons dical knowledge and very	Urine Urine was vital for diagnosing illness and working out what remedy to give a patient. A physician would check the colour, smell, and taste against a chart to help decide how to treat a patient.	
	leming discovers penicillin by accident owey, and Chain win Nobel Prize transplant	KPI 1	12 Renaissa	nce treatm		the body. little training.  KPI 13 Industrial treatments			
Acupuncture Anaesthetic Antibiotics Antiseptic Barber surgeons Chemotherapy Chloroform Circulation Cocaine Cupping Diagnosing Germ theory Homeopathy Impure Leeches Mastectomy Nobel Prize Operating Theatre Penicillin Petri dish	Chinese alternative medicine A substance that numbs pain Drugs that kill bacteria A substance that kills germs Part-time, untrained surgeons Use of powerful drugs to treat cancer The first anaesthetic How blood moves around the body An anaesthetic drug Sucking blood from the body Finding out what is wrong The idea that germs spread disease Alternative medicine that avoids drugs Dirty A blood-sucking worm Surgery to remove breasts Award for new science Where operations are carried out An antibiotic A dish used in a chemistry lab	continued to be used in the Renaissance. For example, the use of herbal medicines continued with the Nicholas Culpeper's doctrine of signatures: the idea that plants could be used to treat body parts around the world provided new ingredients for medicine. Rhubarb, for example, was greeted as a miracle cure when it was first imported from Asia. Smoking so day was also supposed to stop or miracle provided new ingredients for medicine. Rhubarb, for example, was greeted as a miracle cure when it was first imported from Asia. Smoking so day was also supposed to stop or medicine.		The Scientific Method The most significant change in the Renaissance was the use of science - doing experiments and recording results - to better cure diseases. For example, William Harvey published a scientific study of circulation in 1628 which was based on experiments on fish and snakes.	In 1847, the childbirth. If became more Many surge surgeon and his room steri regularly. In 1 reduction surgeons who is surgery. This the wood Gradually, sur	James Simpson and anaesthetics In earlier periods, any kind of surgery was very painful because surgeons did not use anaesthetic. In 1847, the Scottish scientist James Simpson began to use chloroform to reduce pain in childbirth. Patients would inhale chloroform and quickly fall asleep. The use of chloroform became more popular after 1853 when Queen Victoria used it whilst having a baby. Cocaine, imported from South America, was also given to patients.  Joseph Lister and antiseptics  Many surgery patients died from sepsis, an infection caught during an operation from the surgeon and his tools. An English surgeon called Joseph Lister changed this by using an operating room sterilised with carbolic acid. He soaked his hands, his instruments, and the wound regularly. In 1871 he invented a machine that sprayed carbolic acid over the entire room. This reduced the mortality rate in his operations from 46% to 15% in just 3 years.  Aseptic Surgery  Surgeons who understood germ theory wanted to create completely germ-free environments for surgery. This was called aseptic surgery. In 1886 a German surgeon called Gustav Neuber used the world's first sterile operating theatre and his methods were widely copied.  Surgical clothing			
Physician Physicist	A doctor A scientist specialising in physics						ntury treatments	ish surgeon to wear surgica	at gloves for all operation.
Radioactive Radiotherapy Remedies Sepsis Sterile Sterilise Surgeons Surgey Transplant	Type of element that kills cells Using radioactive elements to cure cancer Treatments Infection caught during surgery Without bacteria To make sterile Doctors who do operations Operations Replacing a sick organ with a healthy one from another person	Marie Curie and r The Polish physic: Curie won the Not in 1903 and 1911 work discoverir radioactive eler radium and poloniu elements could be destroy human of therefore opened ways of treating with the develop radiotherap	ist Marie pel Prize for her ng the ments, um. These e used to ells and l up new cancer, ment of	a form of before go the pen surround discovered was deve Chain and II sped up could be u	Antibiotics he scientist Alexande mould - penicillin - bing on holiday. Wher hicillin had killed off ding it. By accident, If the antibiotic peni loped by Howard Flo If published in the 194 buthe development of used to treat war wou halso be used to treat meningitis, and impe	er Fleming left in a petri dish n he returned, the bacteria Fleming had cillin. His work wey and Ernst Wos. World War the drug as it unds. Penicillin pneumonia,	Transplant Surger The later 20th Centu saw the developmen transplant surgery which sick organs w simply replaced: 1952: first kidney transplant 1967: first heart transplant, carried by Dr Christian Barn 1972: artificial hip introduced	Along with radiotherapy, cand is also treated through received to kill cancerous ce Surgery is also used treat cancer, wit mastectomy and Along with radiotherapy, cand is also freat cancer, wit mastectomy commonly used to	The increased use of technology and drugs to treat diseases has led some to reject modern medicine. This has led to a rise in such as acupuncture and homeopathy which are popular with those who dislike the idea of filling

Health an	d Medicir	ne 4: Advances in Medical Knowledge			KPI 15 A	Medieval knowledge				
460 BC 130 AD 900 1277	Galen b	ates born in Greece orn in Roman Empire work translated from Arabic acon arrested for challenging Galen	Hippocrates and Galen  Medical knowledge in the Middle Ages was based on the work of Hippocrates and Galen. Both had written their ideas over a thousand years before and their knowledge had been lost in Europe. However, Islamic doctors such as Ibr Sina had translated their work into Arabic. Medicine in the Islamic World was			Both Hippocrates Galen believed to body contained for humours: blood	The Four Humours Both Hippocrates and Galen believed the body contained four humours: blood, Stars influer		ctors also The Church was at the cent hat the sof the nced the Medieval life and taught t prayer and pilgrimage were most effective way of trea	
1525 1543 1575 1628 1880 1882 1895 1910	Vesalius Paré pul Harvey Pasteur Koch dis X-rays ii	complete works published in Greek spublishes De humani corporis blishes Les Oeuvres publishes On the Motion of the Heart discovers rabies vaccine scovers tuberculosis vaccine nvented develops Salvarsan 606	much more advanced than in Europe during the Middle Ages.  Hippocrates was a doctor from Ancient Greece. He believed in the theory of the four humours. Hippocrates is known as 'the father of modern medicine'.  Galen was a Roman doctor. He dissected animals to understand how the body worked and took the ideas of Hippocrates further. His work arrived in Europe in 900 via Arabic translations, which were then translated into Greek at the University of Salerno. The Church approved of Galen's ideas because he mentioned 'the Creator'.			and black bile. s healthy body had e balance of humou illness was cause when the humou were out of balan Different foods a	phlegm, yellow bile, and black bile. A healthy body had a balance of humours. Illness was caused when the humours were out of balance. Different foods and seasons could affect the humours. human body part of the bassociated wassociated wastrological: many Euroj countries, su were requir check the post the moon because the humours.			isease. The Church set up medical schools to teach en's ideas. The church held back advances in medical knowledge because they ended Galen. For example, Roger Bacon - a medical turer at Oxford University - was arrested in 1277 for hallenging Galen's views.
1953		nd Watson discover DNA	KPI 16 Renaissance Know	ledge	Background	Challen	e to Galen	Key wo	ork	Influence
	MRI mad	und used to check unborn babies chines commonly used genome mapped  Science of how the body works Removing limbs	Challenging Galen The Renaissance saw the rebirth of classical knowledge and by 1525 Galen's complete works  Professor of Surgery at Padua in Italy. He carried out his own dissections on humans and believed this was the best way to understand how the body worked.		s on human body sho best ideas about an dy animal diss	n human body showed that Galen's ideas about anatomy, based on		nani ris libri 1543)	Vesalius's work gave surgeons more accurate knowledge of anatomy and encouraged others to challenge Galen.	
Astrolog Bacte Cau	Arabic strology ical sign eriology terizing culation	Muslim language Movements of the planets Signs of the zodiac, like pisces/leo Study of bacteria and disease Using hot oil to stop a wound bleeding Movement of blood around the body	had been republished in Greek. However, as Renaissance surgeons studied anatomy and performed operations of humans, they noticed	Ambroise Paré 1510-90	A surgeon in the French Army for years. He developed new techniq including using ligatures to tie of wounds after amputation and the of artificial limbs.	ues Galen. he ran off cauterising wo use mixture of egg	riments, not just out of hot oil for ands, so he used a yolks and rose oil nore effective.	Les Oeu (1575		The father of modern surgery. Encouraged surgeons to use techniques that reduced the amount of pain.
Four H	Dissect DNA lumours Galen Disease	From ancient Greece and Rome Cut up a dead body Carrier of human genes Blood, phlegm, yellow bile, black bile Roman doctor An illness caused by DNA Greek doctor	differences between Galen's ideas and what they saw. This led to a split between supporters and critics of Galen.	William Harvey (1578- 1657)	Physician to King James I. Harvediscovered circulation: the idea of blood is pumped around the body the heart. Previously, Galen has thought that blood was made in liver and went one way.	that that Galen was blood travelled that the heart the the body, not	riments showed wrong about how . He also showed was the centre of he liver as Galen ught.	On th Motion o Hear (1628	f the t	Harvey's work revolutionised medicine. Galen's supporters, however, totally rejected his work and he lost many patients.
Human (	Genome	Complete DNA of a human	KPI	17 Industrial	knowledge		KPI 18 20 <sup>th</sup> C	entury knov	wledge	
Li Micro-or Pili Salvar The Tube	Ibn Sina Igatures Iganisms MRI Igrimage Isan 606 Syphilis Creator Theory rculosis rasound	Islamic doctor who translated Galen String used to tie up a vein Germs Magnetic scanning technique A journey to a holy site Drug used to treat syphilis Sexually transmitted infection God Idea Deadly infectious disease of the lungs Scanning technique	Louis Pasteur: identified and develop Robert Koch: worked o identified the bacteria res Paul Ehrlich: a student diseases, for example in 19	y disease was in the developm I the link betwood a vaccine as no bacteriology ponsible for chool Koch who de	In the late 20 <sup>th</sup> Cei imp X-Rays: first develo bones, used in WW although initial do Ultrasound: can det	roved care: bed in 1895 to show 1 to better treat we ses of radiation we ect organs/muscles aborn babies since give a very clear in	v broken rounds, re high s, used to 1970s nage, can	disc gene 20 hun DNA to dise	The use of DNA scientists Crick and Watson covered DNA, which carries etic information, in 1953. In 203 scientists mapped the man genome. By modifying A, scientists have been able to eliminate some genetic eases and ensure babies are n without genetic disease.	

Health a	and Medicine 5: Patient Care				KPI 19	Medieval patient care		
1536 1546 1662 1724	The Dissolution of the Monasteries Endowment of St Bartholomew's Hospital Royal Society set up Thomas Guy donates money to set up Guy's Hospital	Monasteries  Medieval hospitals were run by the church and were more concerned with religion than healthcare. Most hospitals were part of monasteries,		Christian hospitals Only 10% of medieval hospitals actually cared for the sick. In fact, seriously ill people were often not allowed in because they distracted from worship. Patients were expected to spend their day praying for forgiveness so		als actually cared for the le were often not allowed m worship. Patients were praying for forgiveness so	Different types of Christian hospitals Leper Hospitals provided a home for people with leprosy. People feared contact with lepers so Leper Hospitals were built on the outskirts of towns. Almshouses were medieval care homes and provided the	
1854 1856 1859	Florence Nightingale serves in the Crimean War Nightingale School of Nursing set up Notes on Nursing Published	such as Tintern Abbey. C hospitals were built in th				ere looked after by monks re few doctors.	elderly with sheltered accommodation. Almshouses also cared for orphaned children and poor travellers.	
1911	National Insurance Act (sick pay)				KPI 20	Renaissance patient care		
1942 1946 1948	Beveridge Report National Insurance Act (pregnant women/unemployed) Founding of the NHS	Dissolution of the Monasteries In 1536, Henry VIII dissolved the	In Londo granted	yal Hospitals on, the governmen d endowments to to keep them ope	The nu	mber of hospitals also grew	Endowed Hospitals hospitals changed to places where illnesses could be treated. , with 11 new hospitals set up in London and 46 in the rest of . There were several reasons for this:	
Cons Crim D E	nshouses Care homes for the elderly Ervative UK political party representing the rich War between UK and Russia, 1854-6 Shut down Indowed Siven land and money Land and money Idleness Unemployment	monasteries. This had a dramatic impact because the church no longer supported hospitals. Charities had to step in to Five London help serve the		don hospitals wer lowments, includi lolomew's Hospita s endowed in 1546 to the poor and sic thfield in London.	e 1. Rena ng up, al to 3. Indu	issance doctors applied the such as the Royal Society in 2. Urbanisation n Istrialisation allowed indust nthropists and used their we	scientific method to treatments. Scientific societies were set 1662, which spread scientific knowledge about medicine. neant larger towns, each needing a hospital trialists to become very wealthy. Some industrialists became ealth to set up hospitals. For example, Thomas Guy donated bund Guy's Hospital in London in 1724.	
lg	norance Lack of education strialists Factory owners and businessmen	KPI 21 Industr	rial patient ca	are		KPI 22	2 20 <sup>th</sup> Century patient care	
Ir	surance Benefits sez-faire Belief that government shouldn't interfere	in the number of hospitals,	ne number of hospitals, caused by population government's role to interfere in people's li		llowed a policy of laissez-faire and did not believe it was the e's lives. In the 20 <sup>th</sup> Century the government's role increased:			
	Labour UK political party representing the workers People with Leprosy Leprosy Liberal UK political party representing the workers UK political party representing the rich who	increase. Hospitals also began to speci- such as maternity care or cancer treat Florence Nightingale Profes		ent. onalisation	Liberal Reforms 1906-14	David Lloyd-George, the Liberal Chancellor, introduced the National Insurance of 1911. This provided sick pay and free treatment. Workers received 10 shillings provided sick pay and free treatment. Workers received 10 shillings provided this did not cover their wives/children or the unemployed		
Mon Philant	want to help the poor aternity Related to childbirth lasteries Large religious buildings where monks live NHS National Health Service, free for all thropists Rich people who give money to help poor criptions Medicines	Before 1850, nursing was not seen as a respectable job. Nurses were untrained and often drunk. Nursing improved dramatically	Britain ar standards for she raised £50 the Nighting	tingale returned to tain and set new ds for nurses. In 1856 sed £50,000 to set up ightingale School of g. In 1859 she wrote	Beveridge Report 1942	Want, Disease, Ignorance led acted on Beveridge's r - 1946 National Insuranc	ed 'Five Giants' that needed to be tackled by government: , Squalor, and Idleness. After 1945, the Labour government ecommendations, for example: se Act provided benefits for pregnant women/the unemployed side Act gives public access to national parks	
riesc	Scutari Squalor Want Town in Turkey Poor, dirty housing Hunger	In 1854, a British nurse - Florence Nightingale - took 38 nurses to a military hospital in Scutari. She reduced - Nurses - Nurses - Nurses - Nurses - Nurses - diary wh		In 1854, a British nurse - Florence Nightingale - took 38 nurses to a military hospital in Scutari. She reduced the death rate from 42  - Nurses must live at the hospital - Nurses had to keep a work diary which was inspected each month By 1901 there were 68,000	In 1854, a British nurse - Florence Nightingale - took 38 nurses to a military hospital in Scutari. She reduced the death rate from 42  - Nurses must live at hospital - Nurses had to keep a diary which was inspe each month By 1901 there were 68	The founding of the NHS 1948	- Free medical treatment - All hospitals brought und - National system of GPs s Doctors, led by the BMA, o income. The Conservative	ealth, Aneurin Bevan, set up the NHS in 1948. This meant: to all British citizens 'from the cradle to the grave' ler government control, paid for by taxes et up to provide free treatment in local areas opposed the plans because they worried they would lose Party opposed the NHS because it went against laissez-faire. llion free prescriptions had been written.
		in six months by:  1. Washing patients regularly 2. Spacing beds out 3. Opening windows to circulate air	Nightingale of Hospitals in proposed design' with linked by a l	wrote Notes on n 1863 which the 'pavilion separate wards ong corridor to air flow	Changes to the NHS 1948- today	In 1952 charges for special control contr	n made to the NHS since 1948: ctacles and dental treatment were introduced ime was introduced in the 1960s to replace out of date rnment led by Margaret Thatcher (1979-90) tried to cut the ublic opposition	

Health a	nd Medicine	6: Public Health		KPI 2	23 Medieval Public Health			KPI 24 Case Study: Medieval Coventry		
1489 1532 1666		ans slaughterhouses in towns Illows the building of sewers of London	was either thr	was no waste collection so rubbish own into the street or into a cessp washing was often taken from the s		ter for In Coventry, the council put measures in place to improve public health:				
1844 1848	Public Heal	ets up the Health of Towns Association th Act gives councils permission to act			orses for transport, cows for milk, etc. Ar slaughtered animals in towns and left the		g and	Every man had to clean the street in front of his house every Sunday or pay a 12 penny fine		
1875 1875 1889	Housing Act	th Act forces councils to act t allows for demolition of slums oth publishes poverty maps of London	was limited. T	here was no 'zoning' of towns, so	ere you could build so houses were crowd industry and houses were mixed, leading h straw, providing a perfect breeding gro	g to water pollutio		around the	aste-disposal locations edge of the city over local streams were	
1899	Boer War b	egins	processes tike	tailing. Homes were covered with	irstraw, providing a perfect breeding gro	did for facs.		ordered to	be removed	
1901	Seebohm R	owntree publishes York poverty survey			KPI 25 Public Health in the	Renaissance				
Conf	Boer War Cesspit Clean Party tamination Demolish	British war in South Africa, 1899-1903 Pit for collected sewage Group of politicians urging government to improve conditions in towns Infection Knock down	the plague ki	the plague killing thousands. However, during the 16 <sup>th</sup> and 17 <sup>th</sup> centuries, the government took action to make towns more hygienic. For example:  - In 1489, Henry VII banned slaughterhouses from towns to stop the spread of disease the spread of					The Great Fire of London Great Fire of London destroyed most of the London. After the fire, the city authorities omes should be rebuilt on wider streets to limit fire and disease. There were no major plague outbreaks in London after 1666.	
	Dirty Party	Group of politicians opposing government action to improve public health		KPI 26 Industrial Pul	blic Health		KPI 27 20	KPI 27 20 <sup>th</sup> Century Public Health		
Fitr	Depression ness Drives n inspector	1930s economic crisis Government attempts to make people do exercise Local government official in charge of	the Industrial about poor co	period, the government believed in	ople living in cramped housing during n laissez-faire and did not do anything ng, poor water and gas supply, in 1842 pect to live to the age of just 17.	Social Survey When the Boer broke out in 18 the army rejec	War 99, /	After WW1, the clearance programmes destroyed cramped and	During the 1960s, slum clearance programmes destroyed cramped and	
ı	issez-Faire Latrines Legislation	health Political ideology opposing government interference in economy or society Toilets Laws	believed peop living condit	ole were poor because of ill-health ions. Chadwick set up the Health o	n Party, a group of politicians who and urged the government to improve of Towns Association in 1844. He was up was too expensive for ratepayers.	because they w unfit. This led	because they were unfit. This led to surveys investigating		unsanitary housing in city centres. New towns such as Yate outside Bristol were developed to allow	
	blic health Juadrupled	The way the government keeps the whole population healthy Increased x 4		t Action Chadwick and the cholera don laissez-faire and pass legislat	a epidemic forced the government to improve public health:	Charles Booth (1 found that 35%	of De	though the Great	people to live in greener and less	
F	Ratepayers Sanitation hterhouses	People who pay council tax Hygiene / cleanliness Buildings where animals are killed for	1848 Public Health Act		rove conditions if they wished, though cils had a health inspector.	London's popula were living ii poverty	n co	rogress, by 1939 ouncils had built ver 1 million new	polluted environments, with gardens, public parks, and pedestrian	
	Clearance	meat Government programme to demolish	1875 Public Health Act	1875 Public Forced councils to appoint health inspectors, provide clean water,  (1901) found the				homes with ectricity, running vater, and indoor	walkways separated from roads. The population of Yate	
	Unsanitary Zoning	slums Unclean Putting factories etc in different areas to	1875 Housing Act  Gave councils permission to demolish poor quality slum housing and replace it with more hygienic housing  population of York lived in poverty					toilets.	quadrupled between 1965 and 2000.	
	_	homes	KPI 28 21 <sup>st</sup> Century Public Health							
			action to encourag	Campaigns ntury, governments have taken o improve public heath by ing people to live healthier example by stopping smoking.	Fitness Drives The NHS has attempted to reduce cos people to live healthier lives. For exa Health' encourages people to walk 10 and provides support to help them n	mple, 'Walking for ,000 steps per day	Day' ca	Healthy Eating nments have also targeted diet. The 'Five-a- ampaign attempted to get people to eat five it or veg a day to reduce the risk of heart disease or cancer.		

# **Module 4 Knowledge Organiser**

# KP1: Understand the tools and techniques that can be used to initiate and plan solutions:

# 1.1

The phases of the project life cycle and the tasks carried out in each phase i.e.

- a. initiation
- b. planning
- c. execution
- d. evaluation
- 2. the advantages of following a project life cycle
- KP1.2 The interaction and iteration between the phases of the project life cycle
- KP1.3 The inputs and outputs of each phase of the project life cycle.

# **KP2(2.2)**

# Undertake iterative testing for i.e.

- 1. functionality, how the various aspects of the solution work
- 2. usability, how easily the user can use the aspects of the solution
- 3. accessibility, how the solution caters for 'users with a variety of different needs and abilities'
- 4. creating and using a test plan i.e.
- a. test number
- b. test type (e.g. what are you testing)
- c. expected result
- d actual result/evidence
- e. resolution
- f. retest number/evidence
- g. using i.e.
- i. normal data
- ii. erroneous data

# KP3 (5.1)

Use most of the functions mentioned below: date. edit, delete and process data using appropriate software tools and techniques including:

- 1. spreadsheet software i.e.
- a. functions i.e.
- i. arithmetic and rounding (SUMPRODUCT, ROUNDUP, ROUNDOWN, ROUND)
- ii. decision making and error-trapping (IF, IFERROR)
- iii. lookup (VLOOKUP, INDEX, INDIRECT, MATCH)
- iv. joining/splitting and presenting text

(CONCATENATE/CONCAT, TEXTJOIN, LEFT, RIGHT, UPPER, PROPER)

- v. date/time (DATE, NOW)
- vi. counting and adding cells that meet certain criteria (COUNTIF, SUMIF, SUBTOTAL)
- absolute cell referencing
- c. linking worksheets
- d. what if analysis
- e. macros i.e.
- i. close/open objects
- ii. carry out repetitive processes
- iii. print and close
- f. import data from different sources i.e.
- g. Hyperlink internal and external documents
- h. Password protect appropriate documents

# Resources / Information http://www.ocr.org.uk/qualifications /vocational-education-andskills/cambridge-nationalsinformation-technologies-level-1-2i808/

# KP4 (4.5) Current legislation, its implications and applications i.e.

2 Current relevant IT legislation at time of delivery i.e.

o Legal i.e. protection of; individuals, organisations, technological equipment, information, and intellectual property

o Ethical and moral i.e. avoiding defamation of character, misuse of information and equipment

KP 4.6 Importance of validity, reliability and bias when collecting and using data and information

## **IMPORTANT Ideas**

<u>Equations</u>: Always use 'balancing' (whatever you do to one side, you must do to the other side.) Check your final answer by substitution. Answers can be negative or decimal.

<u>Solving Inequalities</u>: Unless you are multiplying or dividing by a negative you use exactly the same method as equations for solving. If you have a double inequality to solve, just split it into two separate ones and solve.

<u>Sequences</u>: Whatever the sequence goes up in tells you the first part of the nth term rule.

<u>Changing the Subject:</u> also called 'rearranging'. Use balancing to get the given letter on its own.

# **Key Words**

**Integer** A whole number

**Expression** Contains unknown value but no equals sign.

For example: 3x - 2

Equation Contains unknowns and can be solved.

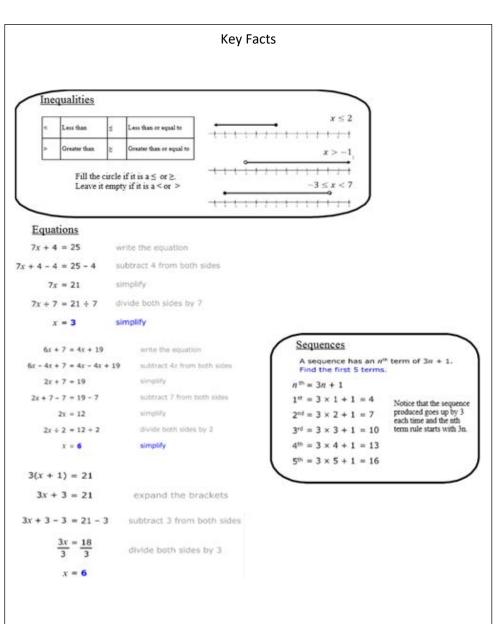
For example: 27 = 6x + 3

Formula Links one value to one or more other value.

For example:  $V = \prod r^2 h$ 

**Identity** Always true no matter what values are substituted

For example: (a + b) = (b + a)



# **Important Ideas**

- You need to memorise the various formulae for Area and Volume
- If you are given the area or volume and asked to find a length, you will need to rearrange the formula at some point.
- Arc lengths and Sector Areas are just fractions of the Circumference and Area of the circle.
- Area scale factors are the length scale factors squared.
- Volume scale factors are the length scale factors cubed

# **Key Words**

<u>Circumference:</u> The perimeter of a circle.

Arc: Part of a circumference.

<u>Sector:</u> A part of the circle enclosed by two radii (Looks like a slice of cake!).

Cross Section/Face: The 2D shape we get when cutting through a 3D shape.

Prism: A 3D shape with the same cross section along its length.

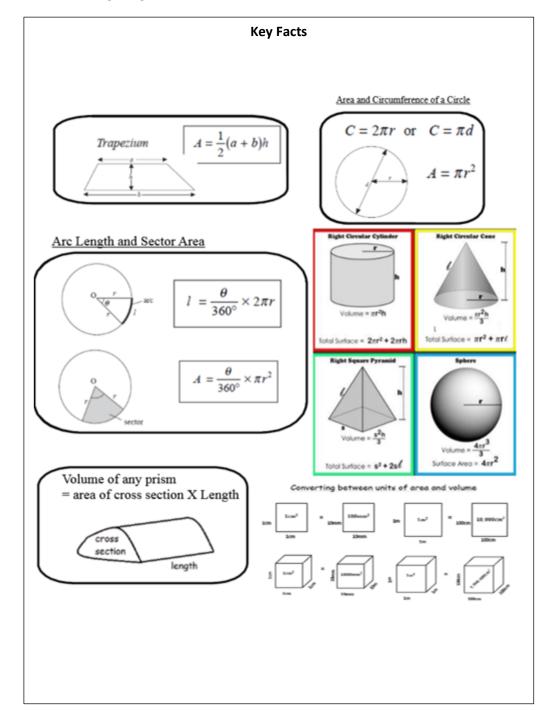
Cylinder: A circular faced prism.

Cone: Circular base, tapers to a single vertex.

<u>Trapezium:</u> A four sided shape (quadrilateral) with one pair of parallel sides.

**<u>Pyramid:</u>** The base is a polygon, the sides are triangles, meeting at the top.

Sphere: A 3D object shaped like a ball.



# BTEC SPORT – Knowledge Organiser - - Module 4 Body Systems

Long-teri	m adaptations of the Skelet	al and Muscular s	system to exercise
Ske	eletal Adaptations	Muscula	r Adaptations
Increased	Bones become thicker	Hypertrophy	Muscles adapt to
Bone	and heavier which		training by
Density	prevents fractures form		increasing in size.
	occurring.		Muscle fibres tear
			with exercise and
			grow back thicker
			and stronger.
Increased	Hyaline cartilage covers	Skeletal	After substantial
thickness	the ends of long bones	Muscles adapt	exercise skeletal
of hyaline	and acts as a shock		muscles become
cartilage	absorber.		more efficient at
			using oxygen and
			removing carbon
			dioxide.
Increased	Stronger muscles	Increased	Most cells in the
stability	surrounding joints helps	number of	body contain
of joints	to support them. Regular	mitochondria	mitochondria.
and	exercise helps people		These are small
strength	lose weight which		cells that burn food
of	reduces the pressure on		to produce energy.
connectiv	joints. Exercise and		Exercise increases
e tissue	stretching helps joints		the number and
	move freely and		size of the
	strengthens ligaments		mitochondria
	and tendons.	_	
Decreased	Osteoporosis is a lack of	Improved	Core muscles in the
risk of	calcium in the bones	Posture	body become
Osteopor	causing them to become		stronger with
osis	brittle and more likely to		exercise and help
	break.		to support your
			skeleton and hold
			it upright.

Short-term effects of ex	xercise on the Card	iorespiratory System
In order to supply the extra oxygen needed in blood to fuel the working muscles, the respiratory system has to work harder. To do this we breathe more quickly	Increased Tidal Volume	As muscular activity increases, the production of carbon dioxide increases (a waste product) resulting in increased Tidal Volume Tidal Volume is the amount of air inhaled and exhaled with each breath.
Lactic acid builds up in the muscles during short bursts of high intensity exercises. It is generated when there are not enough oxygen molecules to completely breakdown glucose in the body. It is a waste product, which can cause a burning sensation in the muscles. Think about how it feels when you run the 300M in athletics.	Re- distribution of blood flow	When exercising blood id directed towards the working muscles and away from non-vital organs e.g. the stomach. This is done via the vasoconstriction (narrowing) of arterioles supplying inactive parts of the body and vasodilation (opening) of arterioles supplying skeletal muscle with more blood and nutrients
This happens to get more oxygenated blood to working muscles. This is due to increased heart rate (beats per minute) and increased stroke volume.	Increased Blood pressure	As the cardiovascular system works harder to deliver more oxygen and glucose to the muscles (systolic pressure rises and diastolic pressure remains the same)

# **Biology 3: Infection and Response TRIPLE KNOWLEDGE ORGANISER**

KPI B19 p47	-48			
Disease	Pathogen	How it is spread	Effect	Prevention/ Control
Measles	Virus	<b>Droplets</b> from sneezes and coughs	Can be <b>fatal</b>	Vaccination of children
HIV	Virus	Sexual contact, needle exchange	Damages some white blood cells	Antiretroviral drugs when infected
Tobacco Mosaic Virus	Virus	Direct contact	Mottling of leaves, reduces photosynthesis	
Salmonella	Bacteria	Infected food	Fever, abdominal cramps, diarrhoea, vomiting	<b>Vaccination</b> of poultry (chickens).
Gonorrhoea	Bacteria	Sexual contact	Discharge from penis/ vagina, pain when urinating	Controlled by antibiotics. Spread prevented by condoms.
Rose Black Spot	Fungus	Spores carried by water or wind	Leaves turn yellow, fall early. Photosynthesis reduced.	Treated by fungicides or destroying affected leaves.
Malaria	Protist	By a <b>vector –</b> <b>mosquito</b>	Fever, can be fatal.	Preventing mosquitos from breeding, using mosquito nets.

KPI B20 p49	
Pathogen	A microorganism that causes disease.
Bacteria	A type of <b>pathogen</b> that <b>produces toxins that damage tissues</b> .
Viruses	A type of <b>pathogen</b> that <b>lives and replicates within cells</b> and causes <b>cell damage</b> . It is <b>difficult to kill viruses without damaging cells</b> .
Antibodies	Some white blood cells (lymphocytes) produce antibodies. These <b>bind to pathogens</b> and <b>destroy them</b> or <b>stick them together</b> .
Antitoxins	Some white blood cells (lymphocytes) produce antitoxins. Antitoxins <b>neutralise toxins</b> .
Antibiotics	Antibiotics <b>kill bacteria</b> . <b>Specific antibiotics</b> should be used for <b>specific bacteria</b> . <b>Some bacteria are resistant</b> to antibiotics. <b>Do not kill viruses</b> .
Painkillers	Painkillers relieve symptoms but don't kill pathogens.
Phagocytosis	Some white blood cells (phagocytes) <b>engulf pathogens</b> .

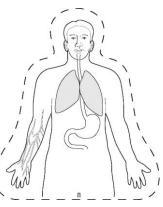
KPI B22 p51		
Aspirin	Originates from the <b>willow</b> tree.	
Digitalis	A <b>heart drug</b> . Originates from <b>foxglove</b> plants.	
Penicillin	Discovered by Alexander Fleming from the <b>Penicillium</b> fungus.	
New drugs	Most new drugs are synthesised by chemists in the pharmaceutical industry. The starting point may be a chemical extracted from a plant.	

KPI B22 p52			
Trial Stage	Purpose		
1. Preclinical - cells, animals	Test for <b>toxicity</b> and <b>efficacy</b> before testing humans		
	Very low doses to test for toxicity.		
3. Patients	Larger groups. Test for toxicity, efficacy and dose. Placebos may be used in a double-blind trial.		

# KPI B20

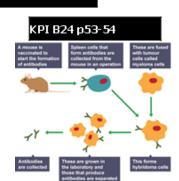
Trachea and Bronchi Produces mucus to trap pathogens.

Stomach Contains hydrochloric acid to destroy



Nose Contains hairs and mucus to tran

Skin A physica



KPI: B20 p49 KPI: B21 p50 **Natural Immunity** Vaccination Dead or weakened Pathogen enters body pathogen is injected he correct white blood The correct white blood cell is found cell is found Antibodies are produced ntibodies are produced The white blood cells The white blood cells remain as memory cells emain as memory cells. the pathogen returns, antibodies will be If the pathogen returns, antibodies will be produced quickly produced quickly

KPI B22 p52	
Placebo	A drug with <b>no active ingredients</b> , designed to <b>mimic a real drug</b> . Used to test if the effects of a drug on a patient are just <b>psychological</b> .
Double-blind trial	The volunteers do not know which group they are in, and neither do the researchers, until the end of the trial
Toxicity	How <b>harmful</b> the drug is. May have dangerous <b>side effects</b> .
Efficacy	How <b>effective</b> the drug is.
Dose	The <b>amount</b> of the drug given to the patient.

# Chemistry 1: Atomic Structure KNOWLEDGE ORGANISER (triple)

# KPI:1 (p12 - 14)

# Describe elements and compounds

All substances are made up of **atoms Elements** contain only one type of atom Compounds contain more than on type of atom, that are chemically bonded together

Particle	Relative Mass	Charge	
Proton	1	+1	
Neutron	1	0	
Electron	Very small	-1	

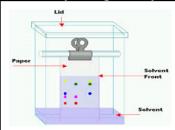
# KPI: 6 (p22)

# The periodic table

- 100 elements
- Elements placed in order of their atomic (proton) number
- Each group has different characteristics
- Metals and non-metals have different characteristic

# KPI:2 (p16 - 18)

# Describe separating techniques



Mixtures can be separated by filtration, crystallisation, distillation and chromatography Filtration separates insoluble solids from liquids

Crystallisation separates a solid that has dissolved into a

Distillation separates a mixture of liquids Chromatography separates substances in a liquid

# KPI:3 (p19) History of the atom

John Dalton	ohn Dalton Described atoms as solid spheres		
	Concluded that atoms were not solid, by measuring their charge and mass which led to the plum pudding theory		
Rutherford (1909)	Alpha particle scattering experiment, evidence for the nuclear model		
Bohr	Suggested that the electrons in an atom were contained in shells		

# KPI:4 (p20) Electron structure

# Shells fill from 1 to 2 and so on.

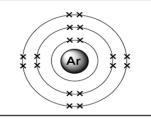
1<sup>st</sup> shell can carry 2 electrons

2<sup>nd</sup> shell can carry 8 electrons

3<sup>rd</sup> shell can carry 8 electrons

Argon – is in group 0. It as a proton number of 18 therefore it has 18 electrons.





# KPI:5 (p13)

# Define and calculate the relative atomic

- Atomic number = number of proton (= number of electrons)
- Mass number = number of protons +
- Atoms are neutral as they have the same number of protons and electrons
- Ions are atoms that gain or lose electrons Isotopes are atoms of the same element with
- different numbers of neutrons

Calculating atomic mass.

RAM (Ar) =  $\underline{\text{sum of isotope abundance X isotope mass}}$ number

sum of abundances of all the isotopes

Example: Copper has 2 isotopes, Cu-63 = 69,2% Cu-65 = 30.8%

$$RAM - (69.2 \times 63) + (30.8 \times 65) = 63.6$$

$$69.2 + 30.8$$

# KPI: 7 (p24 - 26)

Group	Properties
Group 0	The noble gases are inert, colourless gases
Group 1	Alkali metals are reactive, soft metals Increase in reactivity down the group, because the outer electron is lost more easily as the attraction between the nucleus and the electron decreases
Group 7	The halogens are non-metal with coloured vapours They become less reactive down the group as it is harder to gain and extra electron because they are further from the nucleus

# KPI: 8 (p 23)

# Properties of transition metals

# The transition metals have the following properties in common:

- They form coloured compounds.
- They are good conductors of heat and electricity.
- They can be hammered or bent into shape easily.
- They are less reactive than alkali metals such as sodium.
- They have high melting points but mercury is a liquid at room temperature.

# Chemistry 1: Atomic Structure KNOWLEDGE ORGANISER (trilogy)

# KPI:1 (p96 - 97)

# **Describe elements and compounds**

All substances are made up of **atoms Elements** contain only one type of atom **Compounds** contain more than on type
of atom, that are chemically bonded together

Particle	Relative Mass	Charge
Proton	1	+1
Neutron	1	0
Electron	Very small	-1

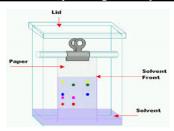
# KPI: 6 (p106)

# The periodic table

- 100 elements
- Elements placed in order of their atomic (proton) number
- Each group has different characteristics
- Metals and non-metals have different characteristic

# KPI:2 (p100-102)

# Describe separating techniques



Mixtures can be separated by filtration, crystallisation, distillation and chromatography

Filtration separates insoluble solids from liquids Crystallisation separates a solid that has dissolved into a liquid

Distillation separates a mixture of liquids Chromatography separates substances in a liquid

# KPI:5 (p97)

# Define and calculate the relative atomic mass

- Atomic number = number of proton (= number of electrons)
- Mass number = number of protons + neutrons
- Atoms are neutral as they have the same number of protons and electrons
- Ions are atoms that gain or lose electrons
  Isotopes are atoms of the same element with
  different numbers of neutrons

Calculating atomic mass.

RAM (Ar) = sum of isotope abundance X isotope mass number

sum of abundances of all the isotopes

Example: Copper has 2 isotopes. Cu-63 = 69.2% Cu-65 = 30.8%

$$RAM - (69.2 \times 63) + (30.8 \times 65) = 63.6$$

$$69.2 + 30.8$$

# KPI:3 (p103) History of the atom

John Dalton	Described atoms as solid spheres		
	Concluded that atoms were not solid, by measuring their charge and mass which led to the plum pudding theory		
Rutherford (1909)	Alpha particle scattering experiment, evidence for the nuclear model		
Bohr	Suggested that the electrons in an atom were contained in shells		

# KPI:4 (p104)

# Electron structure

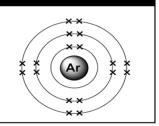
Shells fill from 1 to 2 and so on. 1<sup>st</sup> shell can carry 2 electrons

2<sup>nd</sup> shell can carry 8 electrons

3<sup>rd</sup> shell can carry 8 electrons

Argon – is in group 0. It as a proton number of 18 therefore it has 18 electrons.

2,8,8



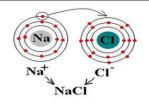
# Group 0 Properties Group 0 The noble gases are inert, colourless gases Alkali metals are reactive, soft metals Increase in reactivity down the group, because the outer electron is lost more easily as the attraction between the nucleus and the electron decreases The halogens are non-metal with coloured vapours They become less reactive down the group as it is harder to gain and extra electron because they are further from the nucleus

# Chemistry 2: Bonding KNOWLEDGE ORGANISER (triple)

# KPI:C9 (p28 - 30)

# Describe ionic bonds and ionic compounds

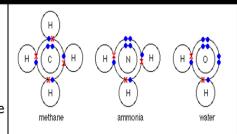
Ionic Compounds Are Balanced. Table salt is an example of an ionic compound. Sodium and **chlorine** ions come together to form **sodium chloride**, or **NaCl**. The sodium atom in this compound loses an electron to become Na+, while the **chlorine** atom gains an electron to become Cl-.



# KPI:C10 (p31 - 32)

# Formation of covalent compounds

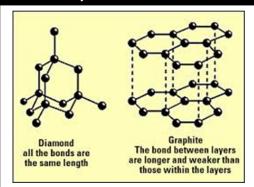
A **covalent compound** is made when two or more nonmetal atoms bond by sharing electrons. The shared electrons between two nonmetal atoms is called a **covalent** bond. **Covalent** bonds are formed when two atoms begin sharing electrons. The electrons are attracted to the positively charged nuclei of the atoms.



# KPI:C11 (p33 - 34)

# Describe the structure and property of giant covalent compounds

Giant covalent structures contain a lot of non-metal atoms, each joined to adjacent atoms by covalent bonds. The atoms are usually arranged into giant regular lattices - extremely strong structures because of the many bonds involved.



# KPI:C12 (p33)

# Polymers

Polymers are very large molecules made when many smaller molecules join together, end to end. The smaller molecules are called **monomers**.

In general:

lots of monomer molecules → a polymer molecule

The polymers formed are long chains of repeating units. For example poly(ethane) has a molecular formula of the polymer is (C2H4)n

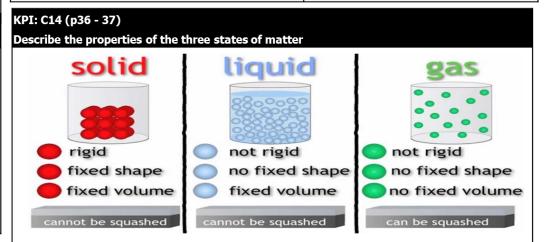
# KPI:C13 (p35)

# Describe the structures and bonding in metals

**Metallic bonding** is the force of attraction between delocalised electrons and the metal atoms. There are strong forces of electrostatic attraction between the positive metal ions and the shared negative electrons

- Most metals are solid at room temperature
- They are good conductors of electricity and heat
- · They are malleable
- · Alloys are harder than pure metals

# 



# Chemistry 3: Quantitative Chemistry KNOWLEDGE ORGANISER (triple)

# KPI:C16 (p43)

Describe the conservation of mass, explaining the mass changes involving gases and balance equations

#### Conservation of mass

Atoms are the smallest particles of an element that can take part in a chemical reaction. During any chemical reaction no particles are created or destroyed: the atoms are simply rearranged from the reactants to the products. The products may have different properties to the reactants.

Mass is never lost or gained in chemical reactions. We say that mass is always conserved. In other words, the total mass of products at the end of the reaction is equal to the total mass of the reactants at the beginning.

This fact allows you to work out the mass of one substance in a reaction if the masses of the other substances are known.

# KPI:C17 (p41 - 42)

Calculate the formula mass of compounds and relate this to moles and Avogadro's constant

Chemists measure the amount of a substance in a unit called 'the mole'. This is a convenient way of counting atoms. It allows chemists to make predictions about the masses of different substances that are involved in reactions.

One mole is the **Avogadro number of particles** (atoms, molecules, ions or electrons) in a substance.

# KPI:C18 (p44 - 45)

Calculate the masses of reactants or products, identifying which reactant is limiting or in

A reaction stops when all the particles of one of the reactants are used up. In a reaction involving

The limiting reactant is the one that is all used up at the end of the reaction

The reactant in excess is still there at the end of the reaction (although in a smaller amount than at the start). For example, magnesium reacts with hydrochloric acid. When the reaction is over:

Magnesium is the limiting reactant if it is all gone at the end

Hydrochloric acid is the limiting reactant if some magnesium is left at the end

# KPI:C19 (p44)

# Use moles to calculate the balancing numbers in an equation

Calculate the number of moles of carbon dioxide molecules in 22 g of CO<sub>2</sub>. A<sub>r</sub> (relative atomic mass) of C = 12,  $A_r$  of O = 16.  $M_r$  (relative formula mass) of carbon dioxide = 12 + 16 + 16 = 44, so the number of moles =  $22 \div 44 = 0.5$  mol

# KPI:C20 (p46)

#### Calculate the concentrations of solution and use these in titration calculations

If you know the concentration of one of the reactants present in a titration, you can work out the concentration of the other reactant.

#### Worked example 1

25 cm3 of dilute hydrochloric acid is neutralised by 20 cm3 of 0.5 mol/dm3 sodium hydroxide. What is the concentration of the hydrochloric acid?

#### Step 1: Convert volumes to dm3

25 cm3 of HCl = 25 ÷ 1000 = 0.025 dm3 20 cm<sup>3</sup> of NaOH = 20 ÷ 1000 = 0.020 dm<sup>3</sup>

## Step 2: Determine the number of moles of sodium hydroxide

moles of NaOH = concentration × volume

moles of NaOH = 0.5 × 0.020 = 0.010 mol

# Step 3: Work out the number of moles of acid using the balanced equation

 $HCl(aq) + NaOH(aq) \rightarrow NaCl(aq) + H2O(l)$ 

In this reaction, one mole of HCl reacts with one mole of NaOH. This is a 1:1 ratio.

Therefore, in our titration, 0.010 mol of NaOH must neutralise 0.010 mol of HCl.

# Step 4: Calculate the concentration of the acid

concentration of HCl = number of moles ÷ volume concentration of HCl =  $0.010 \div 0.025 = 0.4 \text{ mol/dm}^3$ The concentration of the HCl is **0.4 mol/dm**<sup>3</sup>.

# KPI:C21 (p49)

# Calculate percentage yield and explain loss of yield in reactions

In a manufacturing process 12 tonnes of product are predicted but only 10 tonnes are obtained. What is the percentage vield?

Percentage yield = (actual yield x 100%) / predicted yield

 $percentage vield = (10 \times 100) / 12$ 

percentage yield = (1000) / 12 = **83.3%** 

# KPI:C22 (p48)

Calculate atom economy and describe it's economic and environmental importance

% Atom Economy = 
$$\frac{\text{Molar Mass of Product}}{\text{Molar Mass of All Reactants}} \times 100\%$$

$$= \frac{206.29 \text{ g/mol}}{(134.22 + 102.09 + 2.02 + 28.01) \text{ g/mol}} \times 100\%$$

$$= \frac{206.29 \text{ g/mol}}{266.34 \text{ g/mol}} \times 100\%$$

% Atom Economy = 77%

# KPI:C23 (p46)

Calculate the volume of gases

One mole of any gas has a volume of 24 dm<sup>3</sup> or 24,000 cm<sup>3</sup> at **rtp** (room temperature and pressure). This volume is called the **molar volume of a gas**. This equation shows how the volume of gas in dm<sup>3</sup> at rtp is related to the Inumber of moles:

volume of gas at rtp = number of moles lx 24

# SPANISH YEAR 9 MODULE 4: INTERESES E INFLUENCIAS – MO 1 – 9 Know the key vocabulary for the module

## La paga Mis padres me dan... Mi madre / padre me da... ...euros a la semana / al mes Gasto mi paga en... También compro...

# Pocket money My parents give me... My mum / dad gives me... ...euros a week / a month I spend my pocket money on...

I also buy ...

# saldo para el móvil ropa / joyas / maguillaje zapatillas de marca videojuegos / revistas

hacer deporte

ir al cine

# credit for my phone clothes / jewellery / make-up designer trainers computer games / magazines

# Mis ratos libres

las actividades de ocio Tengo muchos pasatiempos. A la hora de comer... Cuando tengo tiempo... Después del insti... Los fines de semana... Mientras desayuno / como... juego al billar / futbolín monto en bici / monopatín quedo con mis amigos vov de compras mi pasión es la música / la lectura Suelo... descansar

escuchar música / la radio

My free time leisure activities I have lots of hobbies. At lunchtime... When I have time... After school...

At weekends... Whilst I have breakfast / lunch... I play billiards / table football I ride my bike / I skateboard I meet up with friends I go shopping my passion is music / reading I tend to / I usually ... rest

listen to music / the radio

leer libros / revistas / periódicos salir con amigos usar el ordenador ver la tele Es divertido / relajante / sano Soy creativo/a / perezoso/a / sociable Soy adicto/a a... me ayuda a relajarme me avuda a olvidarme de todo me hace reir necesito comunicarme / relacionarme / need to have contact con otra gente

do sport go to the cinema read books / magazines / newspapers go out with friends use the computer watch TV It's fun / relaxing / healthy I'm creative / lazy / sociable I'm addicted to... it helps me to relax it helps me to forget everything it makes me laugh

with other people

# La música

Me gusta el soul / el rap / el dance / I like soul / rap / dance/ el hip-hop / el pop / el rock / el jazz / la música clásica / electrónica asistir a un concierto cantar (una canción) tocar el teclado / el piano /

# Music

hip-hop/pop/rock/jazz/ classical / electronic music to attend a concert to sing (a song) to play the keyboard / the piano /

la batería / la flauta / la guitarra / la trompeta mi cantante preferido/a es... un espectáculo una gira (mundial)

the drums / the flute / the guitar / the trumpet my favourite singer is... a show a (world) tour

El deporte Soy / Era... (bastante / muy) deportista miembro de un club / un equipo aficionado/a / hincha de... un(a) fanático/a de... juego al... jugué al... iugaba al... bádminton / baloncesto béisbol / balonmano criquet / fútbol hockey / ping-pong rugby / tenis / voleibol hago... hice... hacía... baile / boxeo / ciclismo deportes acuáticos equitación / escalada gimnasia / judo kárate / natación patinaje sobre hielo

piragüismo / remo

#### Sport

I am / I used to be... (quite / very) sporty a member of a club / a team a fan of... a ... fanatic I play... I played ... I used to play... badminton / basketball baseball / handball cricket / football hockey / table tennis rugby / tennis / volleyball 1 do ... I did... I used to do... dancing / boxing / cycling water sports horseriding / climbing gymnastics / judo karate / swimming ice skating

canoeing / rowing

submarinismo tiro con arco voy... fui... iba... a clases de... de pesca va no (juego)... todavía (hago)... batir un récord correr entrenar jugar un partido contra... marcar un gol montar a caballo participar en un torneo patinar mi jugador(a) preferido/a es... su punto culminante fue cuando...

el campeón / la campeona

la temporada

diving archery 1 go ... I went... I used to go ... to ... classes fishing (I) no longer (play)... (I) still (do)... to break a record to run to train to play a match against... to score a goal to go horseriding to participate in a tournament to skate my favourite player is... the highlight (of his/her career) was when... the champion the season

# La tele

(No) Soy teleadicto/a. Mi programa favorito es... un concurso un programa de deportes un reality un documental un culebrón / una telenovela una comedia una serie policíaca el telediario / las noticias Me gustan las comedias.

# TV

I'm (not) a TV addict. My favourite programme is... a game / quiz show a sports programme a reality TV show a documentary a soap a comedy a crime series the news I like comedies.

Es / Son... aburrido/a/os/as adictivo/a/os/as divertido/a/os/as entretenido/a/os/as tonto/a/os/as

malo/a/os/as

interesante(s)

emocionante(s)

boring addictive fun entertaining silly informative bad exciting interesting

It is / They are...

# Las películas

un misterio una película de amor una película de terror una película de acción una película de aventuras

# Films

a mystery a love film a horror film an action film an adventure film

una película de animación una película de ciencia ficción una película de fantasía una película extranjera

informativo/a/os/as

an animated film a sci-fi film a fantasy film a foreign film

#### **Nacionalidades**

americano/a argentino/a británico/a chino/a griego/a italiano/a mexicano/a sueco/a

# **Nationalities**

American Argentinian British Chinese Greek Italian Mexican Swedish

alemán/alemana danés/danesa español(a) francés/francesa holandés/holandesa inglés/inglesa irlandés/irlandesa japonés/japonesa

German Danish Spanish French Dutch English Irish Japanese

# Temas del momento

he compartido... he comprado... he jugado... he leido... he oído... he roto... he subido... ¿Has probado...? mi hermano ha descargado... se ha estrenado... la nueva canción el último libro Ya lo/la/los/las he visto. No lo/la/los/las he visto todavía. acabo de ver / jugar a...

Trending topics I have shared... I have bought... I have played... I have read... I have heard... I have broken... I have uploaded... Have you tried ...? my brother has downloaded... ...has been released. the new song the latest book I have already seen it/them. I haven't seen it/them yet. I have just seen / played...

cuenta la historia de... trata de... combina el misterio con la acción el argumento es fuerte / débil la banda sonora es buena / mala los actores... los efectos especiales... los gráficos... los personajes... las animaciones... las canciones... son guapos/as / guay son estupendos/as / impresionantes son originales / repetitivos/as

it tells the story of... it's about... it combines mystery with action the plot is strong / weak the soundtrack is good / bad the actors... the special effects... the graphics... the characters... the animations... the songs... are good looking / cool are great / impressive are original / repetitive

#### Ir al cine, al teatro, etc.

¿Qué vamos a hacer... esta tarde? esta noche? mañana / el viernes? Tienes ganas de ir... a un concierto / un festival? a un espectáculo de baile? al cine / al teatro / al circo? Qué ponen?

#### Going to the cinema, theatre, etc.

What are we going to do... this afternoon / evening? tonight? tomorrow / on Friday? Do you fancy going... to a concert / a festival? to a dance show? to the cinema / theatre / circus? What's on?

Es una película / obra de... ¿A qué hora empieza / termina? Empieza / Termina a las... Dos entradas para..., por favor. para la sesión de las...

No quedan entradas. Hay un descuento para estudiantes? Is there a discount for students? Aquí tiene mi carné de estudiante.

It's a ... film / play What time does it start / finish? It starts / finishes at... Two tickets for ..., please. for the ... showing / performance There are no tickets left. Here is my student card.

#### ¿En el cine o en casa?

(No) Me gusta ir al cine porque...

Prefiero ver las pelis en casa porque... el ambiente es mejor hay demasiadas personas

la imagen es mejor en la gran pantalla las entradas son muy caras

#### At the cinema or at home?

I (don't) like going to the cinema because... I prefer watching films at home because... the atmosphere is better there are too many people the picture is better on the big screen

the tickets are very expensive

las palomitas están ricas los asientos no son cómodos los otros espectadores me molestan ponen tráilers para las nuevas pelis

si vas al baño te pierdes una parte

tienes que hacer cola una corrida de toros en directo

the popcorn is tasty the seats aren't comfortable the other spectators annoy me

they show trailers for new films if you go to the toilet you miss part you have to queue a bull fight live

# Los modelos a seguir

Admiro a... Mi inspiración / ídolo es... ..es un buen / mal modelo a seguir Un buen modelo a seguir es alguien que... apova a organizaciones benéficas recauda fondos para... tiene mucho talento / éxito trabaja en defensa de los animales usa su fama para ayudar a los demás uses his / her fame to help others se emborrachan se comportan mal es amable / cariñoso/a / fuerte lucha por / contra...

#### Role models

I admire... My inspiration / idol is... ...is a good / bad role model A good role model is someone who...

supports charities raises money for... is very talented / successful works in defence of animals they get drunk they behave badly se meten en problemas con la policía they get into trouble with the police he/she is nice / affectionate / strong he/she fights for / against...

la pobreza / la homofobia los derechos de la mujer los derechos de los refugiados los niños desfavorecidos la justicia social a pesar de sus problemas... ha batido varios récords ha creado... ha ganado ... medallas / premios ha sufrido varias enfermedades ha superado sus problemas ha tenido mucho éxito como... siempre sonrie solo piensa en los demás

poverty / homophobia women's rights the rights of refugees underprivileged children social justice despite his/her problems... he/she has broken several records he/she has created... he/she has won ... medals / awards he/she has suffered several illnesses he/she has overcome his/her problems he/she has had lots of success as... he/she always smiles he/she only thinks of other people

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