

## Name:

## Homework Instructions

## Tutor group:

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## What should you be working on each week?

## Homework:

- Your teacher will set specific tasks, with a deadline, on Class Charts
- Instructions for your homework and how to access it are in this booklet
- You must complete and hand in the work by the deadline


## Independent Learning: Revise Like a Beckfooter

- You should complete 1 task per day, 5 days a week
- The tasks will be set on Class Charts to help you keep track
- You can choose the subject/topic you want to work on
- Your tutor will check your ILB at regular intervals
- You will be rewarded for going above and beyond expectations

All of your Homework will be set by your teachers using the Class Charts system.

- You should check Class Charts every day to make sure you are up to date, and that you meet all your deadlines.
- In the next few pages, you will find instructions for how to access Class Charts and how to complete your homework assignments in each of your subjects.







Self-quizzing




| Subject: Maths | Term: Half term 3 | Year Group: IIF |
| :--- | :--- | :--- |

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| Subject: Maths | Term: Half term 3 | Year Group: IIF |
| :--- | :--- | :--- |




| Subject: Maths | Term: HT3 November - Part I | Year Group: II Higher |
| :--- | :--- | :--- |








# Topic: Inheritance, Variation \& Evolution 

## Knowledge: Mitosis Vs Meiosis

|  | Mitosis (for <br> growth \& repair) | Meiosis (makes <br> gametes) |
| :--- | :--- | :--- |
| I | Produces two <br> daughter cells | Produces four <br> daughter cells |
| $\mathbf{2}$ | Daughter cells are <br> genetically identical | Daughter cells are <br> not genetically <br> identical |
| $\mathbf{3}$ | The cells divide <br> once | The cells divides <br> twice |
| $\mathbf{4}$ | The chromosome <br> number of the <br> daughter cell is the <br> same as the parent <br> cell. In humans this <br> is 46 chromosomes. | The chromosome <br> number is reduced <br> by half. In humans, <br> this is 23 <br> chromosomes. |
| 5 | Used for growth and <br> repair, and asexual <br> reproduction. | Produces gametes <br> for sexual <br> reproduction. |

## Additional Information:

How to complete a Punnet square
How to determine offspring using a Punnet square
How to work out probability using a Punnet square
Examples and features of inherited diseases

| Key Vocabulary |  | Allele |
| :--- | :--- | :--- |
| I | An alternative form <br> of a gene |  |
| 2 | Asexual <br> reproduction | The production of <br> offspring from a <br> single parent by <br> mitosis. Offspring are <br> clones of the parent. |
| 3 | Chromosome | Structure that <br> contains the DNA of <br> an organism, found in <br> the nucleus |
| 4 | DNA | A polymer that is <br> made up of two <br> strands that form a <br> double helix |
| 5 | Dominant | An allele that is <br> always expressed, <br> even if only one copy <br> is present |
| 6 | Gene | A small section of <br> DNA that codes for <br> a specific protein |
| 7 | Genome | The entire genetic <br> material of an <br> organism |

## Key Vocabulary

| 8 | Genotype | The combination of <br> Alleles |
| :--- | :--- | :--- |
| 9 | Heterozygous | A genotype that has <br> two different alleles, <br> one dominant one <br> recessive |
| 10 | Homozygous | A genotype that has <br> two of the same <br> alleles, either two <br> dominant or two <br> recessive |
| 11 | Mutation | A change in DNA |
| 12 | Phenotype | The characteristic <br> expressed because <br> of the combination <br> of alleles |
| 13 | Recessive | An allele that is only <br> expressed if two <br> copies of it are <br> present |
| 14 | Sexual <br> reproduction | The production of <br> offspring by <br> combining genetic <br> information from <br> the gametes of two <br> parents. Leads to <br> variation in offspring |

## Topic: Inheritance, Variation \& Evolution

## Knowledge: Mitosis Vs Meiosis

|  | Mitosis (for <br> growth \& repair) | Meiosis (makes <br> gametes) |
| :--- | :--- | :--- |
| I |  |  |
| $\mathbf{2}$ | Daughter cells are <br> genetically identical | Daughter cells are <br> not genetically <br> identical |
| $\mathbf{3}$ | The cells divide | The cells divide |
| $\mathbf{4}$ | The chromosome <br> number | The chromosome |
| 5 | Used for | Produces gametes <br> for |

## Additional Information:

How to complete a Punnet square
How to determine offspring using a Punnet square
How to work out probability using a Punnet square
Examples and features of inherited diseases

| Key Vocabulary |  |  |
| :--- | :--- | :--- |
| I | Allele |  |
| 2 | Asexual <br> reproduction |  |
| 3 |  |  |
| 4 | DNA | An allele that is <br> always expressed, <br> even if only one copy <br> is present |
| 5 |  | Gene <br> 7 <br> 6 |


| Key Vocabulary |  |  |
| :--- | :--- | :--- |
| 8 | Genotype | The combination of <br> Alleles |
| 9 | Heterozygous |  |
| 10 | Homozygous |  |
| 11 |  | A change in DNA <br> The characteristic <br> of the comsed because <br> of alleles |
| 12 |  | Recessive |
| 13 | 14 |  |

Topic: Inheritance, Variation \& Evolution
Year Group: II

## enjoy sualn succed

 Beckfoot (Biology)| Knowledge: Fossils |  |
| :--- | :--- |
| Fossils could be: |  |
| I | The actual remains of an organism that <br> has not decayed |
| 2 | Mineralised forms of the harder parts of <br> an organism, such as bones |
| 3 | Traces of organisms such as footprints <br> or burrows |
| Many early life forms were soft bodied so have <br> left few traces behind. |  |
| Fossils help us understand how much or little <br> organisms have changed as life developed on <br> earth |  |

## Knowledge: Classification

| I | Linnaeus classified living things into <br> Kingdom, Phylum, Class, Order, Family, <br> Genus and Species |
| :--- | :--- |
| 2 | Organisms are named by the binomial <br> system of genus and species |
| 3 | Due to evidence from chemical analysis, <br> there is now a 'three-domain system' <br> developed by CarIWoese -Bacteria, |
| Archaea, Eukaryota |  |

## Knowledge: Evolution

All species of living things have evolved from simple life forms by natural selection

| I | If a variant/characteristic is <br> advantageous in an environment, <br> then the individual will be better <br> able to compete |
| :--- | :--- |
| $\mathbf{2}$ | This means they are more likely to <br> survive and reproduce |
| $\mathbf{3}$ | The offspring will inherit the <br> advantageous allele |


| Knowledge:Variation |  |
| :--- | :--- |
| May be due to differences in: |  |
| I | The genes that have been inherited <br> (genetic causes) |
| 2 | The conditions in which they have <br> developed (environmental causes) |
| $\mathbf{3}$ | A Combination of genes and the <br> environment |

## Knowledge: Reducing antibiotic resistance

| I | Antibiotics should only be used when <br> really needed and for serious bacterial <br> infections only (not viral) |
| :--- | :--- |
| 2 | Patients should complete their courses <br> of antibiotics, even if they feel better. |
| $\mathbf{3}$ | The agricultural use of antibiotics <br> should be restricted. |


| Key Vocabulary |  |  |
| :--- | :--- | :--- |
| I | Evolution | A change in the inherited <br> characteristics of a population <br> over time through natural <br> selection |
| $\mathbf{2}$ | Extinction | The permanent loss of all <br> members of a species |
| $\mathbf{3}$ | Natural <br> selection | The process by which <br> organisms that are better <br> suited to an environment are <br> more likely to survive and <br> reproduce |
| $\mathbf{4}$ | Speciation | Two species evolve from one <br> organism but can no longer <br> breed to produce fertile <br> offspring |


| Knowledge: Fossils |  |
| :--- | :--- |
| Fossils could be: |  |
| 1 |  |
| 2 |  |
| 3 |  |
| Many early life forms were soft bodied so have <br> left few traces behind. |  |
| Fossils help us |  |
|  |  |



## Knowledge: Classification

| I | Linnaeus classified living things into |
| :--- | :--- |
| 2 |  |
| 3 |  |
|  |  |



Subject: Science

Topic: Waves (6)
Year Group: II
enjoy
succeed

## Beckfoot

| Properties of Waves |  |  |
| :--- | :--- | :--- |
| I | Transverse waves <br> oscillate perpendicular <br> (at right angles) to the <br> direction of travel, <br> e.g. ripples on water. |  |
| 2 | Longitudinal waves <br> oscillate parallel (in <br> the same direction) to <br> the direction of travel <br> e.g. sound waves. | The distance from one point on a <br> wave to the equivalent point on the <br> next wave. |
| 3 | Wavelength | The number of waves that pass a <br> point in one second. |
| 4 | Frequency | The maximum displacement of a <br> point on the wave from its <br> undisturbed position. |
| 5 | Amplitude |  |

## Properties of Waves Equations

| I | Frequency | $T=I / f$ <br> $T=$ time period in seconds, $s$ <br> $f=$ frequency in hertz, Hz |
| :--- | :--- | :--- |
| 2 | Wave speed, <br> frequency and <br> wavelength | $v=f \times \lambda$ <br> $v=$ wave speed in metres per second, $\mathrm{m} / \mathrm{s}$ <br> $\mathrm{f}=$ frequency in hertz, Hz <br> $\lambda=$ wavelength in metres, m |
|  |  |  |

## Measuring Wave Speed (RP)

| I | Investigating <br> waves using a <br> ripple tank. | Oscillator creates waves in ripple tank. A light shines through <br> meaning the waves can be seen on the screen below. If a strobe is <br> set on the ripple tank at the same frequency as the waves, it <br> appears as though they are standing still. |
| :--- | :--- | :--- |
| 2 | Investigating <br> waves using a <br> string. | An oscillator creates waves along the string, because the wave <br> 'bounces back' when it reaches the end it can create a 'standing <br> wave'. |
| 3 | Measuring speed <br> of sound waves <br> in air | Stand loom from a wall, bang two wooden blocks together and <br> time how long it takes to hear the echo. Divide this time by 200 <br> (the distance travelled to the wall and back). <br> Equation: Speed = distance /time. |
| 4 | Wavelength | Can be calculated by measuring the distance between waves - <br> remember to take into account the effect of magnification on the <br> screen. For a standing wave on a string, a measurement between <br> two nodes is half a wavelength. |
| Frequency | Frequency is shown on the oscillator or by calculating the number <br> of waves passing a single point. |  |
| Wave speed | Calculate using the equation v = $\mathrm{f} \times \lambda$. |  |

## Reflection and Refraction (RP)

Use a ray box with a slit to create a beam of light. Place a Perspex box on a piece of white paper- draw an outline. Shine the beam towards the Perspex. Draw on the paper where it enters and exits. Some light will also reflect. Now find the angles with a protractor. Measure from the normal (a straight line $90^{\circ}$ from the perspex).


## Reflection and refraction



## Lenses

| I | Concave lenses <br> make parallel <br> waves spread out. | Convex lenses <br> make parallel <br> waves converge <br> (come together) to <br> a focus. |
| :--- | :--- | :--- |
| 3 | Focal length | Is the distance from the principal <br> focus (where the rays are focused) to <br> the lens. |
| 4 | Real image | Can be formed on a screen behind the <br> lens. |
| 5 | Virtual image | Is formed where the rays appear to <br> come from (e.g. a magnifying glass). |



## Electromagnetic Spectrum (Transverse waves)

| I | Electromagnetic waves are electric and magnetic disturbances that can be used to transfer energy from a source to an absorber. This makes them useful for certain technologies. |  |
| :---: | :---: | :---: |
| 2 | EM waves form a co vacuum or air. | uous spectrum, and all types can travel through a $\qquad$ |
| 3 | Radio waves long $\lambda$ / low $f$ | Used for communication (TV \& Radio) <br> When absorbed may create an AC with the same $f$ |
| 4 | Microwaves | Used for communication. (satellite communications) Used for heating up food. |
| 5 | Infrared (IR) | All objects emit infrared radiation - the hotter the object, the more infrared it emits. <br> Different surfaces absorb and emit different levels of IR radiation. <br> Infrared cameras can be used to detect heat, so can be used for night vision or for medical purposes. |
| 6 | Visible light (ROYGBIV) | Light from the sun or from bulbs is white light, can be used for fibre optic communications |
| 7 | Ultraviolet (UV) | Can be used to mark valuable objects, then visible under certain light. Used for energy efficient lamps. Can be harmful to eyes and skin, link to skin cancer |
| 8 | X-Rays | Can travel straight through objects, if the are not too dense. <br> Used for medical purposes. <br> Can cause ionising radiation. |
| 9 | Gamma rays short $\lambda /$ high $f$ | Can travel straight through objects, if they are not too dense, so used for medical imaging. Used for killing harmful bacteria e.g. on food. Used for cancer treatments. |

## Visible Light

| 1 | White light can be split into the colours of the rainbow (spectrum) using a prism. |  | Red, Orange, Yellow, Green, Blue, Indigo, Violet. <br> Red has the longest wavelength Violet has the shortest wavelength |
| :---: | :---: | :---: | :---: |
| 2 | Objects absorb and reflect different wavelengths depending on their colour. |  | E.g. A red top will reflect light of red's wavelength, but absorb all other wavelengths. |
| 3 | Colours can mix to form different shades. There are 3 primary colours and 3 secondary. <br> The 3 primary colours form white light. |  | Primary - Red, green, blue. <br> Secondary - Cyan (green + blue), magenta (red + blue), yellow (red + green). <br> (These primary and secondary colours are different to the ones you learn in art, because light is different to colour pigments, like paint). |
| 4 | Opaque |  | Allows no light through |
| 5 | Translucent |  | Allows light to pass through but distorts the image. |
| 6 | Transparent |  | Allows light through and provides a clear image (includes coloured filters). |
| Key Vocabulary |  |  |  |
| 1 | Longitudinal Wave | Oscillate parallel (in the same direction) to the direction of travel e.g. sound waves. |  |
| 2 | Transverse Wave | Oscillate perpendicular (at right angles) to the direction of travel, e.g. ripples on water. |  |
| 3 | Wavelength | The distance from one point on a wave to the equivalent point on the next wave. |  |
| 4 | Frequency | The number of waves that pass a point in one second. |  |

## Key Vocabulary Continued...

| 5 | Amplitude | The maximum displacement of a point on the wave from its undisturbed position. |
| :---: | :---: | :---: |
| 6 | Oscillator | Machine used to make waves at a specific frequency. |
| 7 | Ray <br> diagram | A symbol drawing used to demonstrate how light rays move. |
| 8 | Normal | A straight line perpendicular ( $90^{\circ}$ ) from the object light is travelling towards. |
| 9 | Angle of incidence | Angle between the incident ray and the normal |
| 10 | Angle of reflection | Angle between the reflected ray and the normal (equal to angle of incidence). |
| 11 | Angle of refraction | Angle between the refracted ray and the normal. |
| 12 | Convex | A lens that makes light rays parallel to the principle axis meet at a point. |
| 13 | Concave | A lens that makes parallel rays spread out. |
| 14 | Principle focus | The point where light rays parallel to the principle axis of a lens focus. |
| 15 | Real image | An image formed by a lens that can be projected onto a screen. |
| 16 | Virtual image | An image seen in a lens or mirror, from which light rays appear to come after being refracted by a lens or reflected by a mirror. |
| 17 | Electromagnetic spectrum | The continuous spectrum of electromagnetic waves, which have various uses. |
| 18 | Sievert (Sv) | A measure of radiation dose, a measure of the risk of harm resulting from an exposure of the body to radiation |

## Electromagnetic Spectrum (Transverse waves)



| Visible Light |  |  |
| :---: | :--- | :--- |
| I | White light can be split <br> into the colours of the <br> rainbow (spectrum) using <br> a prism. |  |
| 2 | Objects absorb and reflect <br> different wavelengths <br> depending on their colour. |  |
| 3 | Colours can mix to form <br> different shades. There <br> are 3 primary colours and <br> 3 secondary. <br> The 3 primary colours <br> form white light. |  |
| 4 | Opaque |  |
| 5 | Translucent |  |
| 6 | Transparent |  |


| Key Vocabulary |  |  |
| :--- | :--- | :--- |
| I | Longitudinal Wave |  |
| 2 | Transverse Wave |  |
| 3 | Wavelength |  |
| 4 | Frequency |  |

## Key Vocabulary Continued...

| 5 | Amplitude |  |
| :--- | :--- | :--- |
| 6 | Oscillator |  |
| 7 | Ray <br> diagram |  |
| 8 | Normal |  |
| 9 | Angle of <br> incidence |  |
| 10 | Angle of <br> reflection |  |
| 11 | Angle of <br> refraction |  |
| 12 | Convex |  |
| 13 | Concave |  |
| 14 | Principle <br> focus |  |
| 15 | Real image |  |
| 16 | Virtual <br> image | Electro- <br> magnetic <br> spectrum |
| Sievert <br> (Sv) |  |  |
| 18 |  |  |


| BeckfootBubject: Science (Chemiscry |  |  |  | Topic: Quantitative Chemistry |  | I | $\begin{aligned} & \text { enjoy } \\ & \text { learn } \\ & \text { licace } \end{aligned}$$\begin{aligned} & \text { suarn } \\ & \text { succeed } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calculation Types I |  |  | Calculations Types II |  |  | Key Vocabulary |  |  |
| 1 | Relative atomic mass $\left(A_{r}\right)$ | $A_{r}=$ sum of (isotope abundance $x$ isotope mass no.) sum of abundances of all the isotopes <br> Example: ${ }^{35} \mathrm{Cl} 75 \%$ abundance \& ${ }^{37} \mathrm{Cl} 25 \%$ abundance $(35 \times 75)+(37 \times 25) \div 100=35.5 A_{r} \text { of Chlorine }$ | 5 | HT Only: <br>  <br> Avogadro's <br> Constant | A mole of a substance ALWAYS contains the same number of molecules/ions/particles/atoms - this is called Avogadro's Constant: 1 mole $=6.02 \times 10^{23}$ $\text { number of moles }=\frac{\text { number of particles }}{6.02 \times 10^{23}}$ <br> Example: How many atoms are in 11.5 g of sodium? <br> - Calculate number of moles first $=11.5 \div 23=0.5$ moles <br> - No. of moles $(0.5) \times 6.02 \times 10^{23}=3.01 \times 10^{23}$ atoms | I | Law of <br> Conservation of Mass | No atoms can be created or destroyed in a chemical reaction so the total mass of reactants must equal the total mass of the products |
| 2 | Relative formula or molecular mass $\left(M_{r}\right)$ | Sum of the relative atomic masses of all the atoms shown in the formula <br> Example $\mathrm{MgSO}_{4}$ contains: $1 \times M g: I \times 24=24$ |  |  |  | 2 | Relative atomic mass ( $A_{r}$ ) | Average mass of an element taking into account the mass \& amount of each isotope it contains on a scale where the mass of a ${ }^{12} \mathrm{C}$ atom is 12 |
|  |  | $\begin{aligned} & 1 \times \mathrm{S}: 1 \times 32=32 \\ & 4 \times 0: 4 \times 16=64 \end{aligned}$ |  |  |  | 3 | Relative formula (or molecular) | The sum of the relative atomic masses of all the atoms shown in |
|  |  | So the relative formula mass $=24+32+64=\mathbf{1 2 0}$ | 6 | Concentration | Concentration is the amount of substance in a specific volume of a solvent. It can be expressed as mass (in g) per unit volume, $\mathrm{g} / \mathrm{dm}^{3}$ or $\mathrm{g} \mathrm{dm}{ }^{-3}$ or moles in a specific volume of solvent, $\mathrm{mol} / \mathrm{dm}^{3}$ or $\mathrm{mol} \mathrm{dm}^{-3}$ (Chemistry only). You can increase the concentration of a solution by adding more solute/solid or reducing the volume of solvent.$\text { Concentration }\left(\mathrm{g} / \mathrm{dm}^{3}\right)=\underbrace{\text { mass }(\mathrm{g})}_{\text {volume }\left(\mathrm{dm}^{3}\right)}$ |  | mass ( $M_{r}$ ) | the formula |
| 3 | \% mass of an element in a compound | $A_{r} \times \frac{\text { No. of atoms of that element }}{M_{r} \text { of the compound }} \times 100$ <br> Example: Find the \% mass of O in $\mathrm{Na}_{2} \mathrm{O}$ $A_{r}$ of Na is $23 ; A_{r}$ of O is 16 |  |  |  | 4 | HT only: Mole | Measurement of the amount of substance / mass of a substance that contains $6.02 \times 10^{23}$ particles |
|  |  | $1 \times O$ atom so $1 \times 16=16$ <br> $\mathrm{M}_{\mathrm{r}}$ of $\mathrm{Na}_{2} \mathrm{O}$ so $(2 \times 23)+(1 \times 16)=62$ <br> $\%$ mass $=A_{r} \div M_{r} \times 100$ so $16 \div 62 \times 100=26 \%$ |  |  | Examples: What volume of water do I need to add to 25 g of common salt to get a concentration $0.65 \mathrm{~g} / \mathrm{dm}^{3}$ ? | 5 | HT only: Avogadro's constant | The number of atoms, molecules or ions in one mole of a given substance $\left(6.02 \times 10^{23}\right)$. One mole of any substance contains the same number of particles as the number |
| 4 | The mole \& $A_{r} / M_{r}$ | The mass of one mole of a substance in grams is equal to its relative atomic mass or relative formula mass. |  |  | $\begin{aligned} & \text { Chemistry Only: Concentration }= \\ & \left(\mathrm{mol}^{2} / \mathrm{dm}^{3}\right) \end{aligned} \quad \begin{aligned} & \text { number of moles } \\ & \text { volume }\left(\mathrm{dm}^{3}\right) \end{aligned}$ |  |  | of atoms in one mole of carbon 12. |
|  |  | $\text { Number of moles }=\frac{\text { mass in } g \text { (of an element or compound) })}{M r(\text { of the element or compound) }}$ <br> Example: how many moles is 48 g of sulfur? <br> $A_{r}$ of $S$ is 32 <br> So mass in $g$ divided by $A_{r}$ is $48 \div 32=1.5$ moles |  |  | Calculate the number of moles in a $0.55 \mathrm{dm}^{3}$ solution with a concentration of $0.35 \mathrm{~mol} / \mathrm{dm}^{3}$ <br> No. of moles $=$ concentration $\times$ volume <br> $0.35 \times 0.55=\mathbf{0 . 1 9} \mathbf{~ m o l e s}$ | 6 | Uncertainty | The range of values within which the true value is expected to lie. So, for example, a volume of gas collected would be $10 \mathrm{~cm}^{3}$ plus or minus $\mathrm{Icm}^{3}$ so expressed as $10 \mathrm{~cm}^{3}+/-\mathrm{Icm}^{3}$ so true value is anywhere between $9-11 \mathrm{~cm}^{3}$ |



|  |  |  | Topic: Quantitative Chemistry |  |  |  | Year Group: II |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Mass Conservation in Chemical Reactions |  |  |  |  | Key Vocabulary |  |  |
| 5 | Chemistry Only <br> Percentage yield (\%) | The amount of product formed in a reaction compared to the maximum theoretical mass that could be produced as a percentage $\text { percentage yield }=\frac{\text { mass of product actually made }}{\text { maximum theoretical mass of product }} \times 100$ <br> Example: 25 g of salt was produced in a reaction but the expected mass was 80 g . What is the \% yield? $25 \div 80 \times 100=31.3 \%$ | I | The law of mass conservation in terms of a chemical reaction... |  | The total number of each type of atom in a chemical reaction is the same before and after the reaction |  | 7 | Thermal decomposition | Reaction where heat causes a substance to break down into simpler substances |
|  |  |  | 2 | How can we show conservation of mass in a chemical equation? |  | The total $M_{r}$ of all the reactants will be equal to the total $M_{r}$ of all the products |  | 8 | HT only: Limiting reactant/ reagent | The reactant in a reaction that determines the amount of products formed. Any other reagents are in excess \& some of them will be left over, unreacted |
|  |  |  | 3 | Why might mass appear to go up in a reaction? |  | Due to one or more reactants being a gas found in air, that 'adds on' to the substance |  |  |  |  |
| 6 | Chemistry <br> Only <br> Atom economy | A way of measuring what percentage of the mass of all the atoms in the reactants ends up in the desired product | 4 | Why might mass appear to go down? |  | One of the products is a gas that escapes |  |  |  |  |
|  |  | $\text { atom economy }=\frac{\text { relative formula mass of desired product }}{\text { relative formula mass of all reactants }} \times 100$ <br> Example: The reaction below is used to produce calcium oxide $(\mathrm{CaO})$. Calculate the atom economy of the reaction: <br> $\mathrm{CaCO}_{3} \rightarrow \mathrm{CaO}+\mathrm{CO}_{2}$ <br> $M_{r}$ of $\mathrm{CaO}_{\mathrm{a}}=40+16=56$ (desired product) <br> $\mathrm{Mr}_{\mathrm{r}}$ of $\mathrm{CaCO}_{3}=100$ (Formula mass of all reactants) <br> Therefore, $56 \div 100 \times 100=56 \%$ | HT only: Reacting Mass Calculations: the steps |  |  |  |  | 9 | HT only: Excess | When the amount of a reactant is greater than the amount that can react |
|  |  |  | I | Example question | What mass of calcium chloride $\left(\mathrm{CaCl}_{2}\right)$ is produced when 3.7 g of calcium hydroxide $\left(\mathrm{Ca}(\mathrm{OH})_{2}\right)$ reacts with an excess of hydrochloric acid ( HCl )? |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 10 | Chemistry Only: Yield | The amount of product formed in a reaction |
|  |  |  | 2 | Write out the balanced equation \& identify what we know \& don't know | $\begin{aligned} & \mathrm{Ca}(\mathrm{OH})_{2}+2 \mathrm{HCl} \rightarrow \mathrm{CaCl}_{2}+2 \mathrm{H}_{2} \mathrm{O} \\ & 3.7 \mathrm{~g} \end{aligned}$ |  |  |  |  |  |
|  |  |  |  |  |  |  |  | II | Chemistry Only: <br> Titration | A technique used to find the concentration of a solution using a solution of known concentration |
|  |  |  | 3 | Work out the moles of what you know | $\begin{array}{ll} \mathrm{Ca}(\mathrm{OH})_{2}+2 \mathrm{HCl} \longrightarrow \mathrm{CaCl}_{2}+2 \mathrm{H}_{2} \mathrm{O} & \text { Remember moles }=\text { mass } \div \mathrm{Mr} \\ 3.7 \div 74 & \mathrm{Mr} \text { of } \mathrm{Ca}(\mathrm{OH})_{2} \text { is } 74 \\ =0.05 \mathrm{~mol} & \end{array}$ |  |  |  |  |  |
|  | Chemistry <br> Only <br> Gas volumes | 1 mole of a gas at room temperature $\left(20^{\circ} \mathrm{C}\right)$ and pressure ( 1 atm ) occupies a volume of $24 \mathrm{dm}^{3}$ $\text { in dma }- \text { Volume of gas }=\frac{\text { Mass of gas }}{M_{1} \text { of gas }} \times 24$ <br> Example: vvnat volume will ठठg of $\mathrm{CU}_{2}$ gas occupy at room temperature \& pressure? <br> Volume $=$ mass $\div M_{r} \times 24$ so $88 \div 44=2 \times 24=48 \mathrm{dm}^{3}$ | 4 | know <br> Check ratio in the balanced equation | I unit of $\mathrm{CaCl}_{2}$ is formed from I unit of $\mathrm{Ca}(\mathrm{OH})_{2}$ So whatever moles of what you have worked out $\left(\mathrm{Ca}(\mathrm{OH})_{2}\right)$ will make the same moles of what you need to work out (calcium chloride) |  |  | 12 | Chemistry only: Concordant | Two or more results from titration where the values are very close together (within $0.10 \mathrm{~cm}^{3}$ ) |
|  |  |  | 5 | Calculate the number of moles of what you don't know <br> Calculate the mass | We will make 0.05 moles of $\mathrm{Ca}(\mathrm{OH})_{2}$ as the ratio of both compounds in the equation is $1: 1$ |  |  | 13 | Chemistry only: <br> End point | The moment when the indicator changes colour in a titration showing that the moles of acid \& alkali are equal |
|  |  |  | 6 | Calculate the mass of what you don't know | So in the last step we are converting moles to a mass in grams <br> Mass $=M_{r} \times$ Moles <br> $\mathrm{M}_{\mathrm{r}}$ of $\mathrm{CaCl}_{2}$ is III $111 \times 0.05=\mathbf{5 . 6 g}$ |  |  |  |  |  |



| Subject: Science (Chemistry) | Topic: Quantitative Chemistry | Year Group: II |
| :---: | :---: | :---: |

## Titration Method (Chemistry only)

A student investigated the volume of hydrochloric acid that reacted with $25 \mathrm{~cm}^{3}$ potassium hydroxide. Describe a titration method the student could use in this investigation

- Measure $25 \mathrm{~cm}^{3}$ potassium hydroxide using a pipette
- Place the potassium hydroxide into a conical flask
- Fill the burette with hydrochloric acid and record the starting volume
- Add a suitable indicator to the conical flask, e.g., Phenolphthalein
- Place a white tile under flask
- Add the hydrochloric acid until the indicator changes colour
- Add acid slowly and dropwise whilst at the same time swirling the flask
- Phenolphthalein will change from pink to colourless permanently at the endpoint
- Record the volume of hydrochloric acid added
- The tire value is the difference between the initial and final burette reading
- Repeat until you get 2 concordant titres/within $0.1 \mathrm{~cm}^{3}$ of each other


## Titration Calculation - the steps (Chemistry only)

In a different titration, a student used $25.00 \mathrm{~cm}^{3}$ of potassium hydroxide, KOH . This volume reacted with exactly $26.00 \mathrm{~cm}^{3}$ of $0.100 \mathrm{~mol} \mathrm{dm}^{-3}$ sulfuric acid. The equation for the reaction is: $2 \mathrm{KOH}+\mathrm{H}_{2} \mathrm{SO}_{4} \rightarrow \mathrm{~K}_{2} \mathrm{SO}_{4}+2 \mathrm{H}_{2} \mathrm{O}$. What is the concentration of the potassium hydroxide solution in $\mathrm{mol} \mathrm{dm}{ }^{-3}$ ?

I Calculate the moles of the reactant that you have the volume and concentration for (in this case it is the sulfuric acid). Remember, moles $=$ volume $\left(\mathrm{dm}^{3}\right) \times$ concentration ( $\mathrm{mol} \mathrm{dm}{ }^{-3}$ )
$(26.00 / \mathrm{IO00}) \times 0.100=0.00260 \mathrm{~mol}$
2 Now determine the moles of potassium hydroxide you have. Look at the equation. You can see you have a 2:1 ratio. This means you have double the moles of KOH . $2 \times 0.00260=0.0052 \mathrm{~mol}$

3 Now you can work out the concentration of KOH using concentration $\left(\mathrm{mol} \mathrm{dm}^{-3}\right)=$ moles $/$ volume $\left(\mathrm{dm}^{3}\right)$ $0.0052 \times(25 / \mathrm{IOOO})=0.208 \mathrm{~mol} \mathrm{dm}^{-3}$
$\square$

## Titration Method (Chemistry only)

A student investigated the volume of hydrochloric acid that reacted with $25 \mathrm{~cm}^{3}$ potassium hydroxide. Describe a titration method the student could use in this investigation.

## Titration Calculation - the steps (Chemistry only)

In a different titration, a student used $25.00 \mathrm{~cm}^{3}$ of potassium hydroxide, KOH . This volume reacted with exactly $26.00 \mathrm{~cm}^{3}$ of $0.100 \mathrm{~mol} \mathrm{dm}^{-3}$ sulfuric acid. The equation for the reaction is: $2 \mathrm{KOH}+\mathrm{H}_{2} \mathrm{SO}_{4} \rightarrow \mathrm{~K}_{2} \mathrm{SO}_{4}+2 \mathrm{H}_{2} \mathrm{O}$. What is the concentration of the potassium hydroxide solution in $\mathrm{mol} \mathrm{dm}^{-3}$ ?

I Calculate the moles of the reactant that you have the volume and concentration for (in this case it is the sulfuric acid). Remember, moles $=$ volume $\left(\mathrm{dm}^{3}\right) \times$ concentration ( $\mathrm{mol} \mathrm{dm}{ }^{-3}$ )

2 Now determine the moles of potassium hydroxide you have. Look at the equation. You can see you have a 2:1 ratio. This means you have double the moles of KOH .

3 Now you can work out the concentration of KOH using concentration $\left(\mathrm{mol} \mathrm{dm}^{-3}\right)=$ moles $/$ volume ( $\mathrm{dm}^{3}$ )

| Present Tense |  |  |
| :---: | :--- | :--- |
| 1 | Je suis | I am |
| 2 | J'ai | I have |
| 3 | Je fais | I do/make |
| 4 | Je vais | I go |
| 5 | J'aime | I like |
| 6 | Je déteste | I hate |
| 7 | Je joue | I play |
| 8 | Je mange | I eat |
| 9 | Je bois | I drink |
| 10 | Je lis | I read |
| 11 | J'achète | I buy |
| 12 | Je trouve | I find |
| 13 | Je travaille | I work |
| 14 | Je pense | I think |
| 15 | c'est | it's |


| Perfect Tense |  |  |
| :---: | :--- | :--- |
| 1 | Je suis allé(e) | I went |
| 2 | Je suis parti(e) | I left |
| 3 | J'ai fait | I did/made |
| 4 | J'ai aimé | I liked |
| 5 | J'ai détesté | I hated |
| 6 | J'ai joué | I played |
| 7 | J'ai mangé | I ate |
| 8 | J'ai acheté | I bought |
| 9 | J'ai trouvé | I found |
| 10 | J'ai travaillé | I worked |
| 11 | J'ai regardé | I watched |
| 12 | J'ai vu | I saw |
| 13 | J'ai bu | I drank |
| 14 | J'ai lu | I read |


| Near Future Tense - I am going to... |  |  |
| :---: | :--- | :--- |
| 1 | Je vais être | be |
| 2 | Je vais avoir | have |
| 3 | Je vais aller | go |
| 4 | Je vais faire | do |
| 5 | Je vais jouer | play |
| 6 | Je vais regarder | watch |
| 7 | Je vais manger | eat |
| 8 | Je vais achèter | buy |
| 9 | Je vais travailler | work |
| 10 | Je vais voir | see |
| 11 | Je vais boire | drink |
| 12 | Je vais devenir | become |
| 13 | Je vais voyager | travel |
| 14 | ce sera | it will be |
|  |  |  |


| Conditional Tense - I would like to... |  |  |
| :---: | :--- | :--- |
| 1 | Je voudrais être | be |
| 2 | Je voudrais avoir | have |
| 3 | Je voudrais aller | go |
| 4 | Je voudrais faire | do |
| 5 | Je voudrais jouer | play |
| 6 | Je voudrais regarder | watch |
| 7 | Je voudrais manger | eat |
| 8 | Je voudrais achèter | buy |
| 9 | Je voudrais travailler | work |
| 10 | Je voudrais voir | see |
| 11 | Je voudrais boire | drink |
| 12 | Je voudrais devenir | become |
| 13 | Je voudrais voyager | travel |
| 14 | ce serait | it would be |
|  |  |  |


| II y a |  |  |
| :---: | :--- | :--- |
| 1 | Il y a | There is/are |
| 2 | Il y avait | There was/were |
| 3 | Il y aura | There will be |
| 4 | Il y aurait | There would be |


| Structures with infinitives |  |  |
| :---: | :--- | :--- |
| 1 | J'aime aller/faire | I like going/doing |
| 2 | Je n'aime pas aller/faire | I don't like going/doing |
| 3 | il faut aller/jouer | you have to go/play |
| 4 | on peut/doit aller | you can/must go |


| Imperfect Tense |  |  |
| :---: | :--- | :--- |
| 1 | J'étais | I was/I used to be |
| 2 | J'avais | I had/I used to have |
| 3 | C'était | It was |
| 4 | il y avait | there was/were |


| Sentence Starters |  |  |
| :--- | :--- | :--- |
| 1 | je pense que | I think that |
| 2 | je crois que | I believe that |
| 3 | à mon avis | in my opinion |
| 4 | selon moi | in my opinion |
| 5 | je dirais que | I would say that |


| Connectives |  |  |
| :---: | :--- | :--- |
| 1 | et | and |
| 2 | ou | or |
| 3 | où | why |
| 4 | parce que | because |
| 5 | car | as |
| 6 | mais | but |
| 7 | pourtant | however |
| 8 | aussi | also |


| Intensifiers |  |  |
| :--- | :--- | :--- |
| 1 | un peu | a bit |
| 2 | assez | quite |
| 3 | très | very |
| 4 | vraiment | really |
| 5 | beaucoup | much/ a lot |
| 6 | trop | too |


| Signposting Time Frames |  |  |
| :--- | :--- | :--- |
| 1 | l'année dernière | last year |
| 2 | la semaine dernière | last week |
| 3 | hier | yesterday |
| 4 | normalement | normally |
| 5 | d'habitude | usually |
| 6 | ce soir | this evening |
| 7 | la semaine prochaine | next week |
| 8 | l'année prochaine | next year |
| 9 | dans l'avenir | in the future |
|  |  |  |


| Frequency |  |  |
| :--- | :--- | :--- |
| 1 | tous les jours | every day |
| 2 | de temps en <br> temps | from time to <br> time |
| 3 | une fois par <br> semaine | once a week |
| 4 | deux fois par mois | twice a month |
| 5 | ne...jamais | never |
| 6 | toujours | always |
| 7 | souvent | often |
| 8 | quelquefois | sometimes |


| Fancy Phrases |  |  |
| :---: | :--- | :--- |
| 1 | je l'ai trouvé génial | I found it great |
| 2 | je me suis bien amusé(e) | I really enjoyed myself |
| 3 | j'ai tellement hâte | I'm really looking forward to it |


| Exclamations!!! |  |  |
| :--- | :--- | :--- |
| 1 | Quel <br> dommage! | What a <br> shame! |
| 2 | Quel <br> plaisir! | What a <br> pleasure! |


| Adjectives |  |  |
| :---: | :--- | :--- |
| 1 | amusant | fun |
| 2 | intéressant | interesting |
| 3 | passionnant | exciting |
| 4 | utile | useful |
| 5 | beau | beautiful |
| 6 | fantastique | fantastic |
| 7 | incroyable | incredible |
| 8 | ennuyeux/ <br> barbant | boring |
| 9 | fatigant | tiring |
| 10 | difficile | difficult |
| 11 | cher | expensive |


| Perfect Phrases For Any Essay |  |  |
| :---: | :--- | :--- |
| 1 | Hier je suis allé au cinema/au <br> stade/au restaurant/au parc/au <br> café/à la piscine et c'était... | Yesterday I went to the <br> cinema/stadium/restaurant/park/ <br> café/swimming pool and it was... |
| 2 | J'ai mangé une pizza/des <br> frites/un hamburger/du <br> jambon/du poisson/une glace et <br> c'était... | I ate a pizza/fries/a <br> hamburger/some ham/fish/an ice- <br> cream and it was... |
| 3 | J'ai joué au foot/au tennis/au <br> rugby/au golf et c'était... | I played football/tennis/rugby/golf <br> and it was... |
| 4 | J'ai bu un coca/un jus d'orange <br> et c'était... | I drank a coke/an orange juice and <br> it was... |


| Present Tense |  |  |
| :---: | :--- | :--- |
| 1 | Je suis |  |
| 2 | J'ai |  |
| 3 | Je fais |  |
| 4 | Je vais |  |
| 5 | J'aime |  |
| 6 | Je déteste |  |
| 7 | Je joue |  |
| 8 | Je mange |  |
| 9 | Je bois |  |
| 10 | Je lis |  |
| 11 | J'achète |  |
| 12 | Je trouve |  |
| 13 | Je travaille |  |
| 14 | Je pense |  |
| 15 | c'est |  |


| Perfect Tense |  |  |
| :--- | :--- | :--- |
| 1 | Je suis allé(e) |  |
| 2 | Je suis parti(e) |  |
| 3 | J'ai fait |  |
| 4 | J'ai aimé |  |
| 5 | J'ai détesté |  |
| 6 | J'ai joué |  |
| 7 | J'ai mangé |  |
| 8 | J'ai acheté |  |
| 9 | J'ai trouvé |  |
| 10 | J'ai travaillé |  |
| 11 | J'ai regardé |  |
| 12 | J'ai vu |  |
| 13 | J'ai bu |  |
| 14 | J'ai lu |  |


| Near Future Tense - I am going to... |  |  |
| :---: | :--- | :--- |
| 1 | Je vais être |  |
| 2 | Je vais avoir |  |
| 3 | Je vais aller |  |
| 4 | Je vais faire |  |
| 5 | Je vais jouer |  |
| 6 | Je vais regarder |  |
| 7 | Je vais manger |  |
| 8 | Je vais achèter |  |
| 9 | Je vais travailler |  |
| 10 | Je vais voir |  |
| 11 | Je vais boire |  |
| 12 | Je vais devenir |  |
| 13 | Je vais voyager |  |
| 14 | ce sera |  |


| Conditional Tense - I would like to... |  |  |
| :---: | :--- | :--- |
| 1 | Je voudrais être |  |
| 2 | Je voudrais avoir |  |
| 3 | Je voudrais aller |  |
| 4 | Je voudrais faire |  |
| 5 | Je voudrais jouer |  |
| 6 | Je voudrais regarder |  |
| 7 | Je voudrais manger |  |
| 8 | Je voudrais achèter |  |
| 9 | Je voudrais travailler |  |
| 10 | Je voudrais voir |  |
| 11 | Je voudrais boire |  |
| 12 | Je voudrais devenir |  |
| 13 | Je voudrais voyager |  |
| 14 | ce serait |  |


| Ily $\mathbf{y}$ |  |  |
| :---: | :--- | :--- |
| 1 | II ya |  |
| 2 | Il y avait |  |
| 3 | Il y aura |  |
| 4 | Il y aurait |  |


| Structures with infinitives |  |  |
| :---: | :--- | :--- |
| 1 | J'aime aller/faire |  |
| 2 | Je n'aime pas aller/faire |  |
| 3 | il faut aller/jouer |  |
| 4 | on peut/doit aller |  |


| Imperfect Tense |  |  |
| :---: | :--- | :--- |
| 1 | J'étais |  |
| 2 | J'avais |  |
| 3 | C'était |  |
| 4 | il y avait |  |


| Sentence Starters |  |  |
| :---: | :--- | :--- |
| 1 | je pense que |  |
| 2 | je crois que |  |
| 3 | à mon avis |  |
| 4 | selon moi |  |
| 5 | je dirais que |  |


| Connectives |  |  |
| :---: | :--- | :--- |
| 1 | et |  |
| 2 | ou |  |
| 3 | où |  |
| 4 | parce que |  |
| 5 | car |  |
| 6 | mais |  |
| 7 | pourtant |  |
| 8 | aussi |  |


| Intensifiers |  |  |
| :--- | :--- | :--- |
| 1 | un peu |  |
| 2 | assez |  |
| 3 | très |  |
| 4 | vraiment |  |
| 5 | beaucoup |  |
| 6 | trop |  |


| Signposting Time Frames |  |  |
| :--- | :--- | :--- |
| 1 | l'année dernière |  |
| 2 | la semaine dernière |  |
| 3 | hier |  |
| 4 | normalement |  |
| 5 | d'habitude |  |
| 6 | ce soir |  |
| 7 | la semaine prochaine |  |
| 8 | l'année prochaine |  |
| 9 | dans l'avenir |  |


| Frequency |  |  |
| :--- | :--- | :--- |
| 1 | tous les jours |  |
| 2 | de temps en <br> temps |  |
| 3 | une fois par <br> semaine |  |
| 4 | deux fois par mois |  |
| 5 | ne...jamais |  |
| 6 | toujours |  |
| 7 | souvent |  |
| 8 | quelquefois |  |


| Exclamations!!! |  |  |
| :--- | :--- | :--- |
| 1 | Quel <br> dommage! |  |
| 2 | Quel <br> plaisir! |  |


| Adjectives |  |  |
| :--- | :--- | :--- |
| 1 | amusant |  |
| 2 | intéressant |  |
| 3 | passionnant |  |
| 4 | utile |  |
| 5 | beau |  |
| 6 | fantastique |  |
| 7 | incroyable |  |
| 8 | ennuyeux/ |  |
| 9 | barbant |  |
| 10 | difficile |  |
| 11 | cher |  |


| Fancy Phrases |  |  |
| :---: | :--- | :--- |
| 1 | je l'ai trouvé génial |  |
| 2 | je me suis bien amusé(e) |  |
| 3 | j'ai tellement hâte |  |


| Perfect Phrases For Any Essay |  |  |
| :--- | :--- | :--- |
| 1 | Hier je suis allé au cinema/au <br> stade/au restaurant/au parc/au <br> café/à la piscine et c'était... |  |
| 2 | J'ai mangé une pizza/des <br> frites/un hamburger/du <br> jambon/du poisson/une glace et <br> c'était... |  |
| 3 | J'ai joué au foot/au tennis/au <br> rugby/au golf et c'était... |  |
| 4 | J'ai bu un coca/un jus d'orange <br> et c'était... |  |



Higher Tier Knowledge Organiser
enjoyr
succeed

## Perfect Tense

| 1 | Je suis allé(e) | I went | 1 | J'étais | ... be |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | Je suis parti(e) | 1 left | 2 | J'allais | ... go |
| 3 | J'ai fait | I did/made | 3 | J'avais | ... have |
| 4 | J'ai aimé | I liked | 4 | Je faisais | ... do |
| 5 | J'ai détesté | I hated | 5 | Je jouais | ... play |
| 6 | J'ai joué | I played | 6 | Je regardais | ... watch |
| 7 | J'ai mangé | I ate | 7 | J'écoutais | ... listen |
| 8 | J'ai acheté | I bought | 8 | Je mangeais | ... eat |
| 9 | J'ai trouvé | I found | 9 | Je buvais | ... drink |
| 10 | J'ai travaillé | I worked | 10 | J'achetais | ... buy |
| 11 | J'ai regardé | I watched | 11 | J'aimais | ... like |
| 12 | J'ai vu | I saw | 12 | C'était | It was |


| Future Tense |  |  |
| :---: | :--- | :--- |
| 1 | Je serai | I will be |
| 2 | J'aurai | I will have |
| 3 | J'irai | I will go |
| 4 | Je ferai | I will do |
| 5 | Je jouerai | I will play |
| 6 | Je regarderai | I will watch |
| 7 | Je mangerai | I will eat |
| 8 | J'acheterai | I will buy |
| 9 | Je travaillerai | I will work |
| 10 | Je verrai | I will see |
| 11 | Je boirai | I will drink |
| 12 | Il sera | It will be |


| Structures with infinitives |  |  |
| :---: | :--- | :--- |
| 1 | J'aime aller/faire | I like going/doing |
| 2 | Je n'aime pas aller/faire | I don't like going/doing |
| 3 | Je vais aller/jouer | I am going to go/to play |
| 4 | Je voudrais aller/jouer | I would like to go/play |
| 5 | il faut aller/jouer | you have to go/play |
| 6 | on peut/doit aller | you can/must go |

Sentence Starters

| 1 | je pense que | I think that |
| :---: | :--- | :--- |
| 2 | je crois que | I believe that |
| 3 | à mon avis | in my opinion |
| 4 | selon moi | in my opinion |
| 5 | je dirais que | I would say that |
| 6 | il me semble que seems to me that |  |
| 7 | d'un point de vue | from a personal point of |
| 8 | bien que je sache que | although I know that |
| 9 | à cause du fait que | due to the fact that |
| 10 | Je considerais que | I would consider that |
| 11 | il faut que je dise que | I have to say that |


| Connectives |  |  |
| :---: | :--- | :--- |
| 1 | parce que | because |
| 2 | car | as |
| 3 | mais | but |
| 4 | pourtant | however |
| 5 | en revanche | however |
| 6 | néanmoins | nevertheless |
| 7 | certes | admittedly |
| 8 | aussi | also |
| 9 | donc | therefore |
| 10 | d'ailleurs | besides |
| 11 | bien que (+subj) | although |
| 12 | à moins que <br> (+subj) | unless |


| Intensifiers |  |  |
| :--- | :--- | :--- |
| 1 | un peu | a bit |
| 2 | assez | quite |
| 3 | très | very |
| 4 | vraiment | really |
| 5 | beaucoup | much/ a lot |
| 6 | trop | too |
| 7 | tellement | so |
| 8 | extrêmement | extremely |


| Exclamations!!! |  |  |
| :--- | :--- | :--- |
| 1 | Quel <br> dommage! | What a <br> shame! |
| 2 | Quel plaisir! | What a <br> pleasure! |


| Adjectives |  |  |
| :---: | :--- | :--- |
| 1 | amusant | fun |
| 2 | intéressant | interesting |
| 3 | passionnant | exciting |
| 4 | utile | useful |
| 5 | beau | beautiful |
| 6 | fantastique | fantastic |
| 7 | incroyable | incredible |
| 8 | ennuyeux/ | boring |
| 9 | fatigant | tiring |
| 10 | difficile | difficult |
| 11 | cher | expensive |


| Frequency |  |  |
| :---: | :--- | :--- |
| 1 | tous les jours | every day |
| 2 | de temps en temps | from time to <br> time |
| 3 | une fois par <br> semaine | once a week |
| 4 | deux fois par mois | twice a month |
| 5 | ne...jamais | never |
| 6 | toujours | always |
| 7 | souvent | often |
| 8 | quelquefois/ <br> parfois | sometimes |


| Fancy Phrases |  |  |
| :--- | :--- | :--- |
| 1 | après avoir mangé | after having eaten |
| 2 | je l'ai trouvé génial | I found it great |
| 3 | je me suis bien amusé(e) | I really enjoyed myself |
| 4 | ça m'a vraiment plu | I really enjoyed it |
| 5 | ça en valait la peine | It was worth it |
| 6 | je n'aurais jamais pensé | I would never have thought |
| 7 | j'ai tellement hâte | I'm really looking forward to it |
| 8 | le jeu en vaudra la chandelle | it will be worth it |

$\underset{\text { Beckfoot }}{\substack{\text { の'ब }}}$ Subject: French

| Present Tense |  |  |
| :---: | :---: | :---: |
| 1 | Je suis |  |
| 2 | J'ai |  |
| 3 | Je fais |  |
| 4 | Je vais |  |
| 5 | J'aime |  |
| 6 | Je déteste |  |
| 7 | Je joue |  |
| 8 | Je mange |  |
| 9 | Je bois |  |
| 10 | Je lis |  |
| 11 | Je vois |  |
| 12 | J'achète |  |
| 13 | Je trouve |  |
| 14 | Je travaille |  |
| 15 | Je pense |  |
| 16 | Je crois |  |
| 17 | Je dois |  |
| 18 | Je peux |  |
| 19 | Je veux |  |
| 20 | c'est |  |

Higher Tier Knowledge Organiser

| Future Tense |  |  |
| :---: | :--- | :--- |
| 1 | Je serai |  |
| 2 | J'aurai |  |
| 3 | J'irai |  |
| 4 | Je ferai |  |
| 5 | Je jouerai |  |
| 6 | Je regarderai |  |
| 7 | Je mangerai |  |
| 8 | J'acheterai |  |
| 9 | Je travaillerai |  |
| 10 | Je verrai |  |
| 11 | Je boirai |  |
| 12 | Il sera |  |


| Structures with infinitives |  |  |
| :---: | :--- | :--- |
| 1 | J'aime aller/faire |  |
| 2 | Je n'aime pas aller/faire |  |
| 3 | Je vais aller/jouer |  |
| 4 | Je voudrais aller/jouer |  |
| 5 | il faut aller/jouer |  |
| 6 | on peut/doit aller |  |


| Connectives |  |  |
| :---: | :--- | :--- |
| 1 | parce que |  |
| 2 | car |  |
| 3 | mais |  |
| 4 | pourtant |  |
| 5 | en revanche |  |
| 6 | néanmoins |  |
| 7 | certes |  |
| 8 | aussi |  |
| 9 | donc |  |
| 10 | d'ailleurs |  |
| 11 | bien que (+subj) |  |
| 12 | à moins que <br> (+subj) |  |


| Intensifiers |  |  |
| :--- | :--- | :--- |
| 1 | un peu |  |
| 2 | assez |  |
| 3 | très |  |
| 4 | vraiment |  |
| 5 | beaucoup |  |
| 6 | trop |  |
| 7 | tellement |  |
| 8 | extrêmement |  |


| Adjectives |  |  |
| :---: | :--- | :--- |
| 1 | amusant |  |
| 2 | intéressant |  |
| 3 | passionnant |  |
| 4 | utile |  |
| 5 | beau |  |
| 6 | fantastique |  |
| 7 | incroyable |  |
| 8 | ennuyeux/ |  |
| 9 | barbant |  |
| 10 | difficile |  |
| 11 | cher |  |


| Fancy Phrases |  |  |
| :--- | :--- | :--- |
| 1 | après avoir mangé |  |
| 2 | je l'ai trouvé génial |  |
| 3 | je me suis bien amusé(e) |  |
| 4 | ça m'a vraiment plu |  |
| 5 | ça en valait la peine |  |
| 6 | je n'aurais jamais pensé |  |
| 7 | j'ai tellement hâte |  |
| 8 | le jeu en vaudra la chandelle |  |


| Present Tense |  |  | Perfect Tense |  |  | Simple Past |  |  | Future/Conditional Tense |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Ich bin | I am | 1 | Ich bin gegangen | I went | 1 | ich war | I was | ich werde/möchte....(I will/would like to) |  |  |
| 2 | Ich habe | I have | 2 | Ich bin gefahren | I travelled | 2 | es war | it was | 1 | ...sein | be |
| 3 | Ich mache | I do/make | 3 | Ich bin geflogen | I flew | 3 | sie waren | they were | 2 | ...werden | become |
| 4 | Ich gehe | I go | 4 | Ich bin geblieben | I stayed | 4 | ich hatte | I had | 3 | ...gehen | go |
| 5 | Ich fahre | I travel | 5 | Ich habe gemacht | I did/made |  |  |  | 4 | ...fahren | travel |
| 6 | Ich mag | I like | 6 | Ich habe gespielt | I played | 5 | es gab | there was/were | 5 | ...spielen | play |
| 7 | Ich hasse | I hate | 7 | Ich habe gegessen | I ate | Conditional Fancy |  |  | 6 | ...essen | eat |
| 8 | Ich spiele | I play | 8 | Ich habe getrunken | I drank | 1 | ich wäre | I would be | 7 | ...trinken | drink |
| 9 | Ich esse | I eat | 9 | Ich habe gekauft | I bought | 2 | es wäre | it would be | 8 | ...sehen | see |
|  |  |  |  |  |  |  |  |  | 9 | ...arbeiten | work |
| 10 | Ich trinke | I drink | 10 | Ich habe gearbeitet | I worked | 3 | sie wären | they would be | 10 | ...lesen | read |
| 11 | Ich lese | I read | 11 | Ich habe gesehen | I watched | 4 | ich hätte | I would have | 11 | ...machen | make/do |
| 12 | Ich sehe | I see | 12 | Ich habe gelesen | I read | 5 | es gäbe | there would be | 12 | ...besuchen | visit |
| 13 | Ich kaufe | I buy | 13 | Ich habe gefunden | I found | Structures With Infinitives |  |  |  |  |  |
| 14 | Ich finde | I find | 14 | ich habe besucht | I visited |  |  |  |  |  |  |  |  |
| 15 | Ich arbeite | I work |  | ich habe besucht |  | 1 | ich muss...machen |  |  | I have to do |  |
| 16 | Ich denke | I think | Using Geben |  |  | 2 | ich darf...machen |  |  | I am allowed to do |  |
| 17 | Ich muss | I have to | 1 | es gibt | There is/are | 3 | ich kann...machen |  |  | I can do |  |
| 18 | Ich kann | I can | 2 | es gab | There was/were | 4 | ich soll...machen |  |  | I should do |  |
| 19 | Ich will | I want to | 3 | es wird...geben | There will be | 5 | ich will...machen |  |  | I want to do |  |
| 20 | es ist | it's | 4 | es würde...geben | re would be | 6 | man muss/kann/soll...machen |  |  | you must/can/should do |  |



| Intensifiers |  |  |
| :--- | :--- | :--- |
| 1 | ein bisschen | a bit |
| 2 | ziemlich | quite |
| 3 | sehr | very |
| 4 | wirklich | really |
| 5 | echt | genuinely |
| 6 | zu | too |
| 7 | so | so |
| 8 | ganz |  |


| Adjectives |  |  |
| :---: | :--- | :--- |
| 1 | lustig | funny |
| 2 | interessant | interesting |
| 3 | spannend | exciting |
| 4 | nützlich | useful |
| 5 | schön | beautiful |
| 6 | toll | great |
| 7 | unglaublich | incredible |
| 8 | langweilig | boring |
| 9 | anstrengend | tiring |
| 10 | schwierig | difficult |
| 11 | teuer | expensive |
| 12 | billig | cheap |

## Fancy Phrases

| 1 | es hat eine Menge Spaß gemacht | it was loads of fun |
| :---: | :--- | :--- |
| 2 | es hat sich wirklich gelohnt | it was really worth it |
| 3 | das hat mir gefallen | I liked it |
| 4 | ich freue mich schon darauf | I am already looking forward to it |
| 5 | ich werde mich amüsieren | I will enjoy myself |

## Perfect Past Examples

1 Letztes Wochenende bin ich ins Kino/Café/Restaurant/Stadion/Museum gegangen und es hat eine Menge Spaß gemacht.

2 Ich habe Hähnchen, Pommes und Salat gegessen und ich habe Cola getrunken. Das Essen war sehr lecker und es hat sich wirklich gelohnt. Wahnsinn!

Last weekend I went to the cinema/café/restaurant/stadium/ museum and it was loads of fun.

I ate chicken, chips and salad and I drank cola. The food was very tasty and it was really worth it. Wow!

## Fantastic Future Examples

| 1 | Nächstes Jahr werde ich mit meinen <br> Freunden nach Berlin fahren und ich <br> freue mich schon darauf. | Next year I will travel with my <br> friends to Berlin. I am already <br> looking forward to it. |
| :---: | :--- | :--- |
| 2 | Ich möchte ins Café gehen und ich <br> möchte Pizza essen. Ich werde mich <br> amüsieren, weil ich Pizza liebe. | I would like to go to café and I <br> would like to eat pizza. I will enjoy <br> myself I love pizza. |

Beckfo


| Perfect Tense |  |  |
| :---: | :--- | :--- |
| 1 | Ich bin gegangen |  |
| 2 | Ich bin gefahren |  |
| 3 | Ich bin geflogen |  |
| 4 | Ich bin geblieben |  |
| 5 | Ich habe gemacht |  |
| 6 | Ich habe gespielt |  |
| 7 | Ich habe gegessen |  |
| 8 | Ich habe getrunken |  |
| 9 | Ich habe gekauft |  |
| 10 | Ich habe gearbeitet |  |
| 11 | Ich habe gesehen |  |
| 12 | Ich habe gelesen |  |
| 13 | Ich habe gefunden |  |
| 14 | ich habe besucht |  |


| Simple Past |  |  |  |
| :---: | :--- | :--- | :---: |
| 1 | ich war |  |  |
| 2 | es war |  |  |
| 3 | sie waren |  |  |
| 4 | ich hatte |  |  |
| 5 | es gab |  |  |
|  | Conditional Fancy |  |  |
| 1 | ich wäre |  |  |
| 2 | es wäre |  |  |
| 3 | sie wären |  |  |
| 4 | ich hätte |  |  |
| 5 | es gäbe |  |  |


| Future/Conditional Tense |  |  |
| :---: | :---: | :---: |
| ich werde/möchte....(I will/would like to) |  |  |
| 1 | ...sein |  |
| 2 | ...werden |  |
| 3 | ...gehen |  |
| 4 | ...fahren |  |
| 5 | ...spielen |  |
| 6 | ...essen |  |
| 7 | ...trinken |  |
| 8 | ...sehen |  |
| 9 | ...arbeiten |  |
| 10 | ...lesen |  |
| 11 | ...machen |  |
| 12 | ...besuchen |  |


| Using Geben |  |  |
| :--- | :--- | :--- |
| 1 | es gibt |  |
| 2 | es gab |  |
| 3 | es wird...geben |  |
| 4 | es würde...geben |  |


| 1 | ich muss...machen |  |
| :---: | :--- | :--- |
| 2 | ich darf...machen |  |
| 3 | ich kann...machen |  |
| 4 | ich soll...machen |  |
| 5 | ich will...machen |  |
| 6 | man muss/kann/soll...machen |  |


| Sentence Starters |  |  |
| :---: | :--- | :--- |
| 1 | meiner Meinung nach |  |
| 2 | meines erachtens |  |
| 3 | im Großen und Ganzen |  |
| 4 | ich denke, dass... |  |
| 5 | ich würde sagen, dass |  |
| 6 | ich muss sagen, dass |  |


| Connectives |  |  |
| :---: | :--- | :--- |
| 1 | und |  |
| 2 | aber |  |
| 3 | denn |  |
| 4 | oder |  |
| 5 | jedoch |  |
| 6 | außerdem |  |
| 7 | weil/da |  |
| 8 | dass |  |


| Intensifiers |  |  |
| :--- | :--- | :--- |
| 1 | ein bisschen |  |
| 2 | ziemlich |  |
| 3 | sehr |  |
| 4 | wirklich |  |
| 5 | echt |  |
| 6 | zu |  |
| 7 | so |  |
| 8 | ganz |  |


| Signposting Time Frames |  |  |
| :---: | :--- | :--- |
| 1 | letztes Jahr |  |
| 2 | letzte Woche |  |
| 3 | gestern |  |
| 4 | normalerweise |  |
| 5 | gewöhnlich |  |
| 6 | dieses Abend |  |
| 7 | nächste Woche |  |
| 8 | nächstes Jahr |  |
| 9 | in der Zukunft |  |
| 10 | am Wochenende |  |


| Frequency   <br> 8 weil/da  <br> dass   <br> 1 jeden Tag  <br> 2 ab und zu  <br> 3 einmal pro Woche  <br> 4 zweimal pro Woche  <br> 5 nie  <br> 6 immer  <br> 7 oft  <br> 8 manchmal  |  |
| :--- | :--- | :--- |



| Adjectives |  |  |
| :---: | :--- | :--- |
| 1 | lustig |  |
| 2 | interessant |  |
| 3 | spannend |  |
| 4 | nützlich |  |
| 5 | schön |  |
| 6 | toll |  |
| 7 | unglaublich |  |
| 8 | langweilig |  |
| 9 | anstrengend |  |
| 10 | schwierig |  |
| 11 | teuer |  |
| 12 | billig |  |

Fancy Phrases

| 1 | es hat eine Menge Spaß gemacht |  |
| :---: | :--- | :--- |
| 2 | es hat sich wirklich gelohnt |  |
| 3 | das hat mir gefallen |  |
| 4 | ich freue mich schon darauf |  |
| 5 | ich werde mich amüsieren |  |

## Perfect Past Examples

| 1 | Letztes Wochenende bin ich ins <br> Kino/Café/Restaurant/Stadion/Museum gegangen <br> und es hat eine Menge Spaß gemacht. |
| :---: | :--- |
| 2 | Ich habe Hähnchen, Pommes und Salat gegessen <br> und ich habe Cola getrunken. Das Essen war sehr <br> lecker und es hat sich wirklich gelohnt. Wahnsinn! |

## Future Tense Examples

| 1 | Nächstes Jahr werde ich mit meinen <br> Freunden nach Berlin fahren und ich <br> freue mich schon darauf. |
| :---: | :--- |
| 2 | Ich möchte ins Café gehen und ich <br> möchte Pizza essen. Ich werde mich <br> amüsieren, weil ich Pizza liebe. |

Higher Tier Knowledge Organiser

| Present Tense |  |  | Perfect Tense |  |  | Simple Past |  |  | Future/Conditional Tense |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Ich bin | 1 am | 1 | Ich bin gegangen | I went | 1 | ich war | I was | ich werde/möchte....(I will/would like to) |  |  |
| 2 | Ich habe | I have | 2 | Ich bin gefahren | I travelled | 2 | es war | it was | 1 | ...sein | be |
| 3 | Ich mache | I do/make | 3 | Ich bin geflogen | I flew | 3 | sie waren | they were | 2 | ...werden | become |
| 4 | Ich gehe | I go | 4 | Ich bin geblieben | I stayed | 4 | ich hatte | I had | 3 | ...gehen | go |
| 5 | Ich fahre | I travel | 5 | Ich habe gemacht | I did/made |  |  |  | 4 | ...fahren | travel |
| 6 | Ich mag | I like | 6 | Ich habe gespielt | I played | 5 | es gab | there was/were | 5 | ...spielen | play |
| 7 | Ich hasse | I hate | 7 | Ich habe gegessen | I ate | Conditional Fancy |  |  | 6 | ...essen | eat |
| 8 | Ich spiele | I play | 8 | Ich habe getrunken | I drank | 1 | ich wäre | I would be | 7 | ...trinken | drink |
| 9 | Ich esse | I eat | 9 | Ich habe gekauft | I bought | 2 | es wäre | it would be | 8 | ...sehen | see |
|  |  |  |  |  |  | 3 |  |  | 9 | ...arbeiten | work |
| 10 | Ich trinke | I drink | 10 | Ich habe gearbeitet | I worked |  | sie wären | they would be | 10 | ...lesen | read |
| 11 | Ich lese | I read | 11 | Ich habe gesehen | I watched | 4 | ich hätte | I would have | 11 | ...machen | make/do |
| 12 | Ich sehe | I see | 12 | Ich habe gelesen | I read | 5 | es gäbe | there would be | 12 | ...besuchen | visit |
| 13 | Ich kaufe | I buy | 13 | Ich habe gefunden | I found | Structures With Infinitives |  |  |  |  |  |
| 14 | Ich finde | I find | 14 | ich habe besucht | I visited |  |  |  |  |  |  |
| 15 | Ich arbeite | I work |  |  |  | 1 | ich muss...machen |  |  | I have to do |  |
| 16 | Ich denke | I think | Using Geben |  |  | 2 | ich darf...machen |  |  | I am allowed to do |  |
| 17 | Ich muss | I have to | 1 | es gibt | There is/are | 3 | ich kann...machen |  |  | I can do |  |
| 18 | Ich kann | I can | 2 | es gab | There was/were | 4 | ich soll...machen |  |  | I should do |  |
| 19 | Ich will | I want to | 3 | es wird...geben | There will be | 5 | ich will...machen |  |  | I want to do |  |
| 20 | es ist | it's | 4 | es würde...geben | There would be | 6 | man muss/kann/soll...machen |  |  | you must/can/should do |  |

Subject: German

| Sentence Starters |  |  |
| :---: | :--- | :--- |
| 1 | meiner Meinung nach | in my opinion |
| 2 | meines erachtens | in my opinion |
| 3 | im Großen und Ganzen | all in all |
| 4 | auf der einen Seite | on the one hand |
| 5 | aber auf der anderen <br> Seite | but on the other hand |
| 6 | es scheint mir, dass | it seems to me that |
| 7 | ich denke, dass... | I think that |
| 8 | ich würde sagen, dass | I would say that |
| 9 | obwohl ich weiß, dass | although I know that |
| 10 | ich glaube, dass... | I believe that |
| 11 | ich muss sagen, dass | I have to say that |


| Connectives |  |  |
| :---: | :--- | :--- |
| 1 | und | and |
| 2 | aber | but |
| 3 | denn | because |
| 4 | sondern (neg) | but |
| 5 | jedoch | however |
| 6 | deshalb | therefore |
| 7 | trotzdem | nevertheless |
| 8 | außerdem | furthermore |
| 9 | weil/da | because |
| 10 | dass | that |
| 11 | obwohl | although |
| 12 | wenn | if/when |


| Intensifiers |  |  |
| :--- | :--- | :--- |
| 1 | ein bisschen | a bit |
| 2 | ziemlich | quite |
| 3 | sehr | very |
| 4 | wirklich | really |
| 5 | echt | genuinely |
| 6 | zu | too |
| 7 | so | so |
| 8 | ganz | totally |


| Exclamations!!! |  |  |
| :--- | :--- | :--- |
| 1 | Wie <br> Schade! | What a <br> shame! |
| 2 | Wahnsinn! | Wow! |


| Adjectives |  |  |
| :---: | :--- | :--- |
| 1 | lustig | funny |
| 2 | interessant | interesting |
| 3 | spannend | exciting |
| 4 | nützlich | useful |
| 5 | schön | beautiful |
| 6 | toll | great |
| 7 | unglaublich | incredible |
| 8 | langweilig | boring |
| 9 | anstrengend | tiring |
| 10 | schwierig | difficult |
| 11 | teuer | expensive |
| 12 | billig | cheap |


| Signposting Time Frames |  |  |
| :---: | :--- | :--- |
| 1 | letztes Jahr | last year |
| 2 | letzte Woche | last week |
| 3 | gestern | yesterday |
| 4 | normalerweise | normally |
| 5 | gewöhnlich | usually |
| 6 | dieses Abend | this evening |
| 7 | nächste Woche | next week |
| 8 | nächstes Jahr | next year |
| 9 | in der Zukunft | in the future |


| Frequency |  |  |
| :---: | :--- | :--- |
| 1 | jeden Tag | every day |
| 2 | ab und zu | from time to time |
| 3 | einmal pro Woche | once a week |
| 4 | zweimal pro Woche | twice a month |
| 5 | nie | never |
| 6 | immer | always |
| 7 | oft | often |
| 8 | manchmal | sometimes |


| Fancy Phrases |  |  |
| :---: | :--- | :--- |
| 1 | es hat eine Menge Spaß gemacht | it was loads of fun |
| 2 | ich habe mich wirklich amüsiert | I really enjoyed myself |
| 3 | es hat sich wirklich gelohnt | it was really worth it |
| 4 | das hat mir gefallen | I liked it |
| 5 | ich hätte nie gedacht | I would have never thought |
| 6 | je (heißer), desto besser | the (hotter) the better |
| 7 | ich freue mich schon darauf | I am already looking forward to it |
| 8 | es wird bestimmt viel Spaß <br> machen | it will definitely be lots of fun |


| Present Tense |  |  |
| :---: | :---: | :---: |
| 1 | Ich bin |  |
| 2 | Ich habe |  |
| 3 | Ich mache |  |
| 4 | Ich gehe |  |
| 5 | Ich fahre |  |
| 6 | Ich mag |  |
| 7 | Ich hasse |  |
| 8 | Ich spiele |  |
| 9 | Ich esse |  |
| 10 | Ich trinke |  |
| 11 | Ich lese |  |
| 12 | Ich sehe |  |
| 13 | Ich kaufe |  |
| 14 | Ich finde |  |
| 15 | Ich arbeite |  |
| 16 | Ich denke |  |
| 17 | Ich muss |  |
| 18 | Ich kann |  |
| 19 | Ich will |  |
| 20 | es ist |  |


| Perfect Tense |  |  |
| :---: | :--- | :--- |
| 1 | Ich bin gegangen |  |
| 2 | Ich bin gefahren |  |
| 3 | Ich bin geflogen |  |
| 4 | Ich bin geblieben |  |
| 5 | Ich habe gemacht |  |
| 6 | Ich habe gespielt |  |
| 7 | Ich habe gegessen |  |
| 8 | Ich habe getrunken |  |
| 9 | Ich habe gekauft |  |
| 10 | Ich habe gearbeitet |  |
| 11 | Ich habe gesehen |  |
| 12 | Ich habe gelesen |  |
| 13 | Ich habe gefunden |  |
| 14 | ich habe besucht |  |


| Simple Past |  |  |
| :---: | :--- | :--- |
| 1 | ich war |  |
| 2 | es war |  |
| 3 | sie waren |  |
| 4 | ich hatte |  |
| 5 | es gab |  |
|  | Conditional Fancy |  |
| 1 | ich wäre |  |
| 2 | es wäre |  |
| 3 | sie wären |  |
| 4 | ich hätte |  |
| 5 | es gäbe |  |


| Future/Conditional Tense |  |  |
| :---: | :---: | :---: |
| ich werde/möchte....(I will/would like to) |  |  |
| 1 | ...sein |  |
| 2 | ...werden |  |
| 3 | ...gehen |  |
| 4 | ...fahren |  |
| 5 | ...spielen |  |
| 6 | ...essen |  |
| 7 | ...trinken |  |
| 8 | ...sehen |  |
| 9 | ...arbeiten |  |
| 10 | ...lesen |  |
| 11 | ...machen |  |
| 12 | ...besuchen |  |


| Using Geben |  |  |
| :---: | :--- | :--- |
| 1 | es gibt |  |
| 2 | es gab |  |
| 3 | es wird...geben |  |
| 4 | es würde...geben |  |


| 1 | ich muss...machen |  |
| :---: | :--- | :--- |
| 2 | ich darf...machen |  |
| 3 | ich kann...machen |  |
| 4 | ich soll...machen |  |
| 5 | ich will...machen |  |
| 6 | man muss/kann/soll...machen |  |

Subject: German

| Connectives |  |  |
| :---: | :--- | :--- |
| 1 | und |  |
| 2 | aber |  |
| 3 | denn |  |
| 4 | sondern (neg) |  |
| 5 | jedoch |  |
| 6 | deshalb |  |
| 7 | trotzdem |  |
| 9 | weil/da |  |
| 10 | dass |  |
| 11 | obwohl |  |
| 12 | wenn |  |


| Intensifiers |  |  |
| :--- | :--- | :--- |
| 1 | ein bisschen | a bit |
| 2 | ziemlich |  |
| 3 | sehr |  |
| 4 | wirklich |  |
| 5 | echt |  |
| 6 | zu |  |
| 7 | so |  |
| 8 | ganz |  |


| Adjectives |  |  |
| :---: | :--- | :--- |
| 1 | lustig |  |
| 2 | interessant |  |
| 3 | spannend |  |
| 4 | nützlich |  |
| 5 | schön |  |
| 6 | toll |  |
| 7 | unglaublich |  |
| 8 | langweilig |  |
| 9 | anstrengend |  |
| 10 | schwierig |  |
| 11 | teuer |  |
| 12 | billig |  |


| Frequency |  |  |
| :---: | :--- | :--- |
| 1 | jeden Tag |  |
| 2 | ab und zu |  |
| 3 | einmal pro Woche |  |
| 4 | zweimal pro Woche |  |
| 5 | nie |  |
| 6 | immer |  |
| 7 | oft |  |
| 8 | manchmal |  |


| Exclamations!!! |  |  |
| :--- | :--- | :--- |
| 1 | Wie <br> Schade! |  |
| 2 | Wahnsinn! |  |


| Sentence Starters |  |  |
| :---: | :--- | :--- |
| 1 | meiner Meinung nach |  |
| 2 | meines erachtens |  |
| 3 | im Großen und Ganzen |  |
| 4 | auf der einen Seite |  |
| 5 | aber auf der anderen <br> Seite |  |
| 6 | es scheint mir, dass |  |
| 7 | ich denke, dass... |  |
| 8 | ich würde sagen, dass |  |
| 9 | obwohl ich weiß, dass |  |
| 10 | ich glaube, dass... |  |
| 11 | ich muss sagen, dass |  |


| Fancy Phrases |  |  |
| :---: | :--- | :--- |
| 1 | es hat eine Menge Spaß gemacht |  |
| 2 | ich habe mich wirklich amüsiert |  |
| 3 | es hat sich wirklich gelohnt |  |
| 4 | das hat mir gefallen |  |
| 5 | ich hätte nie gedacht |  |
| 6 | je (heißer), desto besser |  |
| 7 | ich freue mich schon darauf |  |
| 8 | es wird bestimmt viel Spaß <br> machen |  |




| $r^{\text {बंण }}$ <br> Beckfoot |  | Subject: Geography |  | Topic: Changing economic world |  | Year Group: II enjoy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. Death rate | The number of deaths in a year per 1000 of the total population. | 8. Birth rate |  | number of births in a year per 1000 of the population. | 15. Microfinance loans | Very small loans which are given to people in the LICs to help them start a small business. |
| 2. Gross national income | A measurement of economic activity that is calculated by dividing the gross (total) national income by the size of the population. GNI takes into account not just the value of goods and services, but also the income earned from investments overseas. | 9. Human development index | A method of measuring development in which GDP per capita, life expectancy and adult literacy are combined to give an overview. This combined measure of development uses economic and social indicators to produce an index figure that allows comparison between countries. |  | 16. <br> Commonwealth | The Commonwealth is a voluntary association of 53 independent and equal sovereign states, which were mostly territories of the former British Empire. It is home to 2.2 billion citizens. Member states have no legal obligation to one another. Instead, they are united by language, history, culture, and their shared values of democracy, human rights, and the |
|  |  | 10. Life expectancy | The average number of years a person might be expected to live. |  |  | rule of law. |
| 3. Infant mortality | The average number of deaths of infants under 1 year of age, per 1000 live births, per year. |  |  |  | 17. European union | An international organisation of 28 European countries, including the UK, formed to reduce trade barriers and increase cooperation among its members. Seventeen of these countries also share the same type of money: the euro. A person who is |
| 4. Literacy rate | The percentage of people who have basic reading and writing skills. | $I I$. <br> Development gap |  | difference in standards of living and being between the world's richest and est countries (between HICs and LICs). |  | a citizen of a European Union country can live and work in any of the other 27 member countries without needing a work permit or visa. |
| 5. <br> Demographic transition model | A model showing how populations should change over time in terms of their birth rates, death rates and total population size. | 12. Fairtrade | When producers in LICs are given a better price for the goods they produce. Often this is from farm products like cocoa, coffee or cotton. The better price improves income and reduces exploitation. |  | 18. north-south divide | Economic and cultural differences between Southern England (the South-East, Greater London, the South-West and parts of the East) and Northern England (the North-East, West and Yorkshire and the Humber). There are clear differences in health conditions, house prices, earnings, and political influence. |
| 6. Trade | The buying and selling of goods and services between countries. | 13. <br> Globalisation |  | process which has created a more ected world, with increases in the ements of goods (trade) and people ration and tourism) worldwide. | 19. Science and business parks | Business Parks are purpose built areas of offices and warehouses, often at the edge of a city and on a main road. Science parks are often located near university sites, and hightech industries are established. Scientific research and |
| 7. Intermediate technology | The simple, easily learned and maintained technology used in a range of economic activities serving local needs in LICs. | 14. International aid | Money, goods and services given by the government of one country or a multilateral institution such as the World Bank or International Monetary Fund to help the quality of life and economy of another country. |  |  | commercial development may be carried out in co-operation with the university. |
|  |  |  |  |  | 20. Secondary industries | industry that converts the raw materials provided by primary industry into commodities and products for the consumer; manufacturing industry. |


| 就百 <br> Beckfoot |  | Subject: Geography |  | Topic: Changing economic world |  | Year Group: II enjoy |
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| 4. Literacy rate |  | II. <br> Development gap |  |  |  |  |
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| 5. <br> Demographic transition model |  |  |  |  |  |  |
| 6. Trade |  | 13. <br> Globalisation |  |  | 19. Science and business parks |  |
| 7. Intermediate technology |  | 14. International aid |  |  |  |  |
|  |  |  |  |  | 20. Secondary industries |  |

## 2. How did people react to Elizabeth's religious changes?

1. How did 1. Many Catholics feared revenge after Mary's reign, but Elizabeth

## 1. Why was religion important?

1. How did

Tudor
monarchs deal with religion?

1. England was made Protestant after Henry VIII's Reformation.
2. Edward VI (1547-53) made extra rules and introduced the Book of Common Prayer.
3. Mary (1553-58) reversed this and made the country Catholic. She burned 300 Protestants at the stake in 5 years.
4. When Elizabeth took the throne religion was a difficult issue causing huge divisions.
5. Catholic beliefs: Pope as head of Church, Bible and services in Latin unmarried priests, decorated churches, people talk to God through priests, transubstantiation (bread and wine are literally body and blood of Jesus).
6. What was

Elizabeth's
religious settlement?
4. Who were the Puritans?

English
Catholics react to the changes?
2. Recusancy fines for not attending church were low.
3. In 1570 the Pope excommunicated Elizabeth and called for rebellion against Elizabeth in a papal 'bull' (order)
4. Elizabeth's policy became harsher after this. Fines rose and attending mass or sheltering Catholic priests became treason. Limits were also placed on Catholics being allowed to travel.
5. There were four major Catholic plots against Elizabeth: Northern Rebellion 1569, Ridolfi Plot 1571, Throckmorton Plot 1583, Babington Plot 1586.
2. Protestant beliefs: Monarch as head of church, Bible and services in English, priests can marry, plain churches, people talk to God through prayer, consubstantiation (bread and wine represent the body and blood of Jesus).
3. Shared beliefs: Priests have important role, God created the world and everything in it, Jesus was son of God, each religion is the true faith and should challenge unbelievers.

1. Elizabeth wanted a practical solution to the religious problems
2. She was a Protestant but tried to compromise with Catholics.
3. She allowed priests to marry, brought back the Book of Common Prayer, and ensured services would be held in English.
4. She made herself 'governor' of the Church, and allowed Catholics to worship in private.
5. She appointed the moderate Protestant Matthew Parker as head of the Church
6. Puritans were extreme Protestants who would not compromise.
7. Elizabeth appointed some bishops with Puritan views but ensured that they kept to the rules in order to keep their jobs
8. By 1668 most Puritans conformed though the Presbyterians continued to oppose her. Some Puritans set up separatist churches.
9. There were some powerful Puritans including Walsingham who stopped Elizabeth cracking down on Puritans too harshly.
10. In 1583 Archbishop Whitgift introduced new rules as part of a harsher approach to Puritans. Although there was some resistance Whitgift was able to stop Puritans becoming an organized threat.
11. How did
foreign
Catholics react to the changes?
12. A seminary was established in the Netherlands to train Catholic priests. It sent its first missionaries to England in 1574.
13. The Jesuits arrived in England in 1580 aiming to boost Catholic conversion in England. The 1585 Act Against Jesuits and Seminary Priests aimed to drive them out of England and they could be executed.
14. Both France and Spain began to support rebellion against Elizabeth by encouraging missionaries and paying for priests to be trained, though stopped short of declaring war
15. After the death of MQOS in 1586 and the defeat of the Armada in 1588, Catholics lost hope of getting rid of Elizabeth.
16. Why and
how did
Elizabeth's
policy
change
during her reign?
17. In the 1580 s tolerance of Catholics declined
18. Elizabeth faced a threat from Catholics in the North of England and in Europe, so felt vulnerable.
19. The Jesuit Edmund Campion arrived in England in 1580 and began to preach to ordinary people.
20. He was caught and tortured, before being executed in December 1581.
21. Elizabeth introduced new laws including:

1571: Created recusancy fines and banned ownership of Catholic items such as rosary beads.
1581: Increased recusancy fines to $£ 20$.
1585: Catholic priests were declared traitors and faced execution, along with anyone protecting them.
1593: Statute of confinement: Catholics could not travel more than 5 miles from their home.
$\left.\begin{array}{|c|c|}\hline \text { Key Word } & \text { Definition } \\ \hline \begin{array}{c}\text { Book of } \\ \text { Common Prayer }\end{array} & \begin{array}{c}\text { A Protestant text } \\ \text { that was the basis of } \\ \text { all services }\end{array} \\ \hline \begin{array}{c}\text { Excomm- } \\ \text { unication }\end{array} & \begin{array}{c}\text { Being expelled from } \\ \text { the Catholic church } \\ \text { and declared a } \\ \text { traitor }\end{array} \\ \hline \text { Jesuit } & \begin{array}{c}\text { A member of the } \\ \text { Society of Jesus, a } \\ \text { group of priests who } \\ \text { sought to convert } \\ \text { people to } \\ \text { Catholicism }\end{array} \\ \hline \text { Mass } & \begin{array}{c}\text { A Catholic service }\end{array} \\ \hline \text { Missionaries } & \begin{array}{c}\text { Priests who visit a } \\ \text { country to preach } \\ \text { and seek converts }\end{array} \\ \hline \text { Puritan } & \begin{array}{r}\text { An extreme } \\ \text { Protestant who } \\ \text { refuses to }\end{array} \\ \text { compromise over } \\ \text { issues of faith }\end{array}\right\}$

succeed
3. Mary, Queen of Scots

1 Who was 1. Mary (1542-1587) was Elizabeth's cousin who
Mary,
Queen of Scots?
2. She married the heir to the French throne in 1558 He became King in 1559 making Mary Queen of Scotland and of France, but died in 1560.
3. The Catholic Mary returned to Scotland but Protestant beliefs had become more common and she was widely unpopular.
4. She fled to England in 1567 after the death of her second husband.
5. Many Protestants feared Mary's influence and called for her execution, but Elizabeth let her live as a prisoner for 19 years.
6. Mary believed she was the rightful Queen of England and became an inspiration to Catholic plotters seeking to replace Elizabeth.
7. Eventually she became involved in the Babington Plot of 1586 and Elizabeth was forced to support Parliament's call for her execution.

## 4. Foreign conflict and warfare

1. Why was 1. Philip II had been Mary I's husband and proposed to Elizabeth, but she refused Spain a threat 2. Spain was an incredibly rich and powerful trade and military nation, but English and rival?
2. How did England and Spain come into conflict? raiders such as Drake had been stealing their wealth for years.
3. Spain was a Catholic nation with the support of the Pope, who had called for rebellion against Elizabeth in 1570
4. Spain ruled the Netherlands, which had a large, rebellious Protestant population.
5. Elizabeth agreed to support the Protestant Dutch rebels against Spanish rule, offering them money and the use of English ports up until 1572.
6. In 1585, she sent troops commanded by Dudley to help - an act of war.

## 5. The Spanish Armada, 1588

1. The English
navy
2. Henry VIII had made building a strong navy a priority due to England's position.
3. He changed ships from a mode of transport to a fighting force in themselves, with strong defences and impressive weaponry. They raided other ships and ports.
4. Drake became a brilliant naval commander, even attacking the Spanish navy in port in 1587 which was known as "singeing the King of Spain's beard".
5. Elizabeth gave Drake and others licences to carry out piracy against Spanish ships using English ships and supplies. These people were known as privateers.

## 2. What

advances
were made in
tactics and
technology?
3. What was
the Spanish Armada?

1. Fireships were commonly used, where an old or damaged ship would be filled with flammable goods, set on fire and aimed at enemy ships or formations.
2. The line of battle was used where all ships would form a single line and fire their cannons at the enemy to try and sink their ships.
3. Faster ships, more powerful weapons and better navigation also contributed.
4. Philip wanted to send a huge fleet to England, pick up an army from the Netherlands, and invade England. He hoped English Catholics would swear loyalty and support the invasion.
5. The invasion force consisted of 151 ships, 7,000 sailors, 34,000 soldiers and 180 priests and monks. It had enough supplies for 4 weeks and was commanded by the Duke of Medina- Sidonia, who was a loyal commander but had no naval background.
6. Once the fleet reached the English Channel on 6 August 1588, Drake waited for night to fall and then sent fireships in, causing the fleet to break up.
7. The next day, the English ships attacked at the Battle of Gravelines and defeated the Spanish fleet, which fled.
8. Bad weather then struck and drove the Spanish ships up England's east coast. Many ship were wrecked and only 65 ships ever made it back to Spain.
9. The victory proved England could be a major naval power and Elizabeth made improving the navy a priority.
10. Philip tried to plan a second Armada but never succeeded and Spain lost credibility as a riva to England. Most English Catholics accepted Elizabeth instead.
$\left.\begin{array}{|c|c|}\hline \text { Key Word } & \text { Definition } \\ \hline \begin{array}{c}\text { Duke of } \\ \text { Medina-Sidonia }\end{array} & \begin{array}{c}\text { Commander of the } \\ \text { Armada, an } \\ \text { inexperienced } \\ \text { nobleman }\end{array} \\ \hline \text { Fireships } & \begin{array}{c}\text { Old or damaged } \\ \text { ships filled with } \\ \text { flammable goods, } \\ \text { set on fire and } \\ \text { aimed at enemies }\end{array} \\ \hline \text { Line of battle } & \begin{array}{c}\text { A naval tactic where } \\ \text { ships formed into a } \\ \text { single line to fire on } \\ \text { enemy ships }\end{array} \\ \hline \text { Martyr } & \begin{array}{c}\text { A person who dies } \\ \text { for their faith and is } \\ \text { seen as a hero }\end{array} \\ \hline \text { Mary Queen of } & \begin{array}{c}\text { Elizabeth's cousin } \\ \text { who saw herself as } \\ \text { rightful Queen of } \\ \text { England }\end{array} \\ \hline \text { Spots } & \begin{array}{r}\text { Armada }\end{array} \\ \hline \text { Aunding by Elizabeth } \\ \text { fivencer pirates } \\ \text { Ause invasion force } \\ \text { that attempted to } \\ \text { invade England in } \\ \text { August 1588 }\end{array}\right\}$


## 1. How was Tudor society structured?

1. What 1. Tudor people imagined society as the Great Chain of Being
was the 2. God was at the top, followed by angels and others in
Great
Chain of Being?
2. Humans were beneath, followed by animals and plants
3. Humans were subdivided with the monarch at the top, followed by the nobility, the gentry, and the peasants. This hierarchy was fixed and moving between the groups was almost impossible.
4. The nobility were the richest, most respected members of society.
5. The highest title was duke, followed by earl and baron. These titles were passed on and only rarely awarded by the monarch.
6. Nobles were protected from torture and public humiliation and even if found guilty of treason would be beheaded rather than hanged
7. Most nobles were landowners and passed land and money from father to son. They made up 1\% of the population but had about $14 \%$ of its income.
8. However, nobles were dependent on the monarch for influence.
9. Who 1. The gentry were landlords of the countryside. They lived by were the the labour of their tenants rather than working themselves. gentry?
10. They had incomes between $£ 10$ and $£ 2000$ a year and some were richer than the poorer nobles.
11. They had power in the form of important posts, so were often JPs or members of parliament.
12. The gentry grew as people made money in trade.
13. Who were the peasants?
14. Peasants were the poorest in society and worked on the land.
15. They often struggled for regular work and poverty was

## 2. How did the wealthy live?

1. How did 1. While the country was secure and stable, the rich were able to show of people show their wealth and status.
their wealth? 2. They built impressive country houses and many hosted huge banquets featuring dishes of meat and expensive wines.
2. Fashion was important and women wore fine clothes with white, lead-based make-up, to show they did not need to work outside.
3. Men and women wore elaborate ruffs around their necks.
4. What were 1. These were private residences not communal buildings.
country 2. They were designed to show wealth rather than for security.
houses like? 3. Renaissance designs were often based on Greek or Roman architecture with a symmetrical appearance, oak panels, colourful tapestries, expensive glass windows, and stacked chimneys.
5. The centre of the house was the great chamber surrounded by as many rooms as possible. Servants had their own 'quarters'.

## 3. What was the role of the theatre in society?

1. What was 1. Public theatres were popular with rich and poor.

Tudor theatre 2. Playwrights and acting companies became successful.
like? 3. All actors were male with boys playing the female roles.
4. Theatre developed during Elizabeth's reign from plays put on at an inn to a fully developed, purpose-built attraction.
5. Performances were chaotic with audiences pushing and heckling.
6. The nobility had expensive seats and often chose to be patrons of a theatre company to show how cultured they were.
7. The poor stood nearer the stage to watch the performance.

## 2. What

theatre
existed?

## 3. Who wa

involved in
theatre?

1. Some people felt theatre was sinful and wanted it banned. common.
2. Luckier peasants with reliable lords could support families.
3. Other peasants who fell out with their lords faced difficulties.
4. Some were dependent on charity and were known as paupers. They begged or went to the local church for help.
$\left.\begin{array}{|c|c|}\hline \text { Key Word } & \text { Definition } \\ \hline \text { Duke } & \begin{array}{c}\text { The highest rank of } \\ \text { the nobility }\end{array} \\ \hline \begin{array}{c}\text { Great Chain of } \\ \text { Being }\end{array} & \begin{array}{c}\text { The hierarchy that } \\ \text { Tudor society was } \\ \text { based on }\end{array} \\ \hline \text { Landlord } & \begin{array}{c}\text { A landowner who } \\ \text { rented his land to } \\ \text { tenants }\end{array} \\ \hline \text { Pauper } & \begin{array}{c}\text { The poorest } \\ \text { peasants who were } \\ \text { dependent on } \\ \text { charity }\end{array} \\ \hline \text { Peasant } & \begin{array}{c}\text { The lowest } \\ \text { members of society } \\ \text { who were mostly } \\ \text { farm labourers }\end{array} \\ \hline \text { Tenant } & \begin{array}{r}\text { A professional } \\ \text { writer of plays }\end{array} \\ \hline \text { Ruff person who } \\ \text { rented land either } \\ \text { for cash or providing } \\ \text { labour }\end{array}\right\}$

5. How did the poor live?
6. What problems did Elizabeth inherit?
7. What problems emerged in agriculture
?
8. What problems
were created by population arnuwth?
9. Henry VIII's policies made life for the poor harder Closing the monasteries removed a source of support and 'debasing' the coinage damaged trade and jobs.
10. During Edward IV's reign, the cloth trade collapsed.
11. Peasants were dependent on lords for security and could be cast out, so their lives were very insecure.
12. Bad harvests between 1594 and 1598 caused food shortages and starvation in some areas.
13. The new system of land enclosure required fewer workers and left many people jobless and homeless.
14. Many headed to the towns and cities for work but although these grew, there were still not enough jobs to go around.
15. During Elizabeth's reign the population grew from 2.8 m to 4 m people.
16. The birth rate increased and the death rate decreased.
17. As there were fewer available homes landlords
18. York: 1515 introduced beggar licences, 1528 appointed a Master Beggar to keep control of beggars, 'House of Correction' set up to offer work in weaving and spinning. Those who refused were sent back to their villages.
19. Ipswich: 1569 introduced beggar licences, opened a hospital for the elderly and poor, trained young people to find a trade, had a House of Correction.
20. Norwich: Offered the 'idle poor' work and gave food and care to the 'unfortunate poor'. Taxed rich citizens to pay for 'poor relief'.

## 5. What was society's attitude to the poor?

1. 
2. The Great Chain of Being obliged higher people to look after those Sympathetic attitude
3. Harsh attitude work.
4. In 1567 Thomas Harman produced a guide to beggars and the tricks they used to con honest people out of money.
5. Many wealthy people became hostile to beggars. They were seen as the 'idle poor': lazy and deserving of punishment.
6. What
types of
beggars
were
identified?
7. The Counterfeit Crank bit soap to pretend to froth at the mouth.
8. The Baretop Trickster was a woman who lured men in by removing clothes, who were then beaten and robbed by her accomplices.
9. The Clapper Dudgeon put on dirty bandages or wounded themselves to gain sympathy, claiming they had been wounded fighting for England.
10. Tom O'Bedlam would pretend to be mad and follow people, so thourumuld aiva him manour tn an smas

## 6. How did the government deal with poverty?

1. 

## Punishment

2. How did
towns and cities deal
with
poverty?
3. Under Tudor kings beggars were generally punished harshly.
4. They could be put in the stocks, whipped or mutilated.
5. In 1576 an Act was passed so localities could find work for the poor.
6. Poverty was especially bad in urban areas.

In London, Bridewell Palace was used as a shelter for the homeless Bedlam was established as a hospital for the mentally ill.
4. Hospitals were opened for orphans and the sick.
5. Conditions were still poor and poverty continued to grow, so crime grew as a result. Local authorities often struggled to cope with this.
$\left.\begin{array}{|c|c|}\hline \text { Key Word } & \text { Definition } \\ \hline \text { Almshouses } & \begin{array}{c}\text { Institutions offering } \\ \text { food and shelter to } \\ \text { the poor. First set up } \\ \text { by Archbishop } \\ \text { Whitgift in London. }\end{array} \\ \hline \text { Beggar } & \begin{array}{c}\text { A person who had } \\ \text { no work and begged } \\ \text { for money or charity }\end{array} \\ \hline \text { Deserving poor } & \begin{array}{c}\text { Honest people who } \\ \text { were poor through } \\ \text { no fault of their own } \\ \text { (unfortunate poor). } \\ \text { Sometimes split into } \\ \text { 'helpless poor' to be } \\ \text { cared for and 'able- } \\ \text { bodied poor' to be } \\ \text { given work. }\end{array} \\ \hline \text { Undeserving } & \begin{array}{c}\text { People who chose to } \\ \text { beg rather than } \\ \text { work (idle poor) }\end{array} \\ \hline \text { Inflation } & \begin{array}{c}\text { A rise in the cost of a } \\ \text { product e.g. food }\end{array} \\ \hline \text { Roor relief } & \begin{array}{c}\text { A new style of } \\ \text { Rack enclosure } \\ \text { parming that limited funded by tax } \\ \text { payers }\end{array} \\ \text { the area needing to } \\ \text { be worked upon }\end{array}\right\}$


Subject: History
Topic: Life in Elizabethan England
Year Group: 11

## 7. Elizabeth and the Poor Laws

1. What were the Poor Laws? seeing successe in towns and cities such as York.
2. In each area of the country, the wealthy would be taxed to provide relief for the poor, old and sick.
3. The idle poor would still be treated harshly.
4. These kinds of taxes had never existed on this scale.
5. Helped distinguish between authentic beggars and vagrants.
6. Helped those who were genuinely poor while punishing those who were lazy or dishonest.
7. The numbers of beggars decreased.

Successes
of the Poor
Laws

## 3. Failures

of the Poor
Laws

## 8. Francis Drake and the Age of Exploration

| 1. Who was Francis Drake? | 1. A slave trader who took slaves from Africa to Mexico but was betrayed by the Spanish and attacked. He escaped and sought revenge, becoming a privateer and raiding Spanish ships for treasure <br> 2. Circumnavigated the globe between 1577 and 1580 <br> 3. Knighted in 1581 and helped defeat the Spanish Armada in 1588 <br> 4. Seen as a hero by the English and a pirate by the Spanish |
| :---: | :---: |
| 2. What changes helped to enable exploration? | 1. Technology in shipbuilding enabled long voyages. <br> 2. New 'lateen' sails made them faster and easier to steer. <br> 3. Better defences and weapons improved fighting abilities. <br> 4. The astrolabe and better compasses improved navigation. <br> 5. Voyages were still dangerous - Drake's big voyage returned with only one ship of the five that left. |
| 3. How did voyages help trade? | 1. Most voyages were structured around buying and selling goods. <br> 2. People began to look beyond Europe to the Far East to acquire new and exciting products such as spices. <br> 3. Middlemen bought products directly and sold them on to English buyers, but this was expensive so the English wanted to extend their own trade. <br> 4. Many attempts to reach the Far East failed but the Americas were discovered in the process. <br> 5. Companies were founded to become experts in particular areas, for example the Muscovy Company (1555) traded in Russia. <br> 6. The East India Company was founded in 1600 and obtained products like silks, spices and porcelain. |
| 4. How did the slave trade develop? | 1. Drake and his cousin John Hawkins (1532-95) led the first voyage to kidnap West Africans and sell them in Mexico in 1564. <br> 2. Hawkins was a spy who became an important naval commander and trader, introducing tobacco to England after discovering it in America. <br> 3. The slave trade grew as there was a huge demand for agricultural labour in the Americas, to enable products to be sent back to Britain. |
| 5. How were colonies established in the New World? | 1. In 1584 Elizabeth gave Walter Raleigh permission to conquer and rule any land not ruled by Christians. <br> 2. In return he would give her $1 / 5^{\text {th }}$ of the gold and silver he found. <br> 3. Raleigh went on voyages and sent others to colonise North America. <br> 4. A colony was eventually established at Roanoke in 1587 but the settlers mysteriously disappeared. England never fully set up a colony in North America until after Elizabeth had died. |


| Key Word | Definition |
| :---: | :---: |
| Alchemy | A type of science <br> combined with <br> magic that sought to <br> e.g. turn lead into <br> gold |
| Astrolabe | A navigational tool <br> that calculated a <br> position using the <br> stars |
| Gircumnavigate | To travel around the <br> globe back to a <br> starting point |
| Poor Laws | A nickname for <br> Elizabeth showing <br> her as a glorious <br> figure |
| Slave trade | The laws introduced <br> in 1601 to help deal <br> with the poor |
| The growing trade in <br> African slaves sold <br> to work in North <br> America |  |
| Spanish | The Spanish <br> invasion fleet of <br> 1588 |
| Armada | Trading <br> companies <br> responsible for <br> trading in certain <br> areas |
| Vagrants | Another term for <br> travelling beggars, <br> the idle or <br> undeserving poor |



Topic: Life in Elizabethan England

| 8. Francis Drake and the Age of Exploration |  |
| :---: | :--- | :--- |
| 1. Who was <br> Francis <br> Drake? |  |
| 2. What <br> changes <br> helped to <br> enable <br> exploration? |  |
| 3. How did <br> voyages help <br> trade? |  |

Year Group: 11

\left.| ar Group: 11 |  |
| :---: | :---: |
| Key Word | Definition |
| succeed |  |$\right]$

Have a go at building a Power Hour into your day as often as you can.
We would suggest 5 times a week is the optimum amount.


Flash Cards
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Mind-Maps
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expectations:
The following rewards are available for those students who commit to
their independent learning/revision and go above and beyond points you will receive The more independent learning/revision you do, the more Class Charts this, and we want to support and celebrate that achievement with you.

Charts in the same way as a missed homework.
If you do not meet our minimum expectations, this will be logged on Class - Bring your ILB to school every day

- You choose the subjects - we set the tasks
strategy (on Class Charts)
- 5 revision tasks per week using the specified revise like a Beckfooter
Our minimum expectations of KS4 students for their independent learning
are as follows: in life.
Great independent learning and revision are vitally important for your
academic success. We have high expectations for everyone because
we whole-heartedly believe that you deserve to have the best chances


## Revise Like a Beckfooter Rewards

