## KNOWLEDGE ORGANISER



## YEAR 7

## CYCLE 2

Name:

Tutor group:


## YOUR KNOWLEDGE ORGANISER

- Knowledge Organisers contain critical knowledge you must know. This will help you recap, revisit and revise what you have learnt in lessons in order to remember this knowledge for the long term.
- You must have this book for every lesson - it is part of your equipment.


## USING THE KNOWLEDGE ORGANISER FOR REVISION

- Students remember $50 \%$ more when they test themselves after learning.
- You can use your book to help memorisation.
- Read a section of your Knowledge Organiser.
- Cover it up.
- Write out what you've remembered.
- Check the Knowledge Organiser to see if you're right.
- Repeat this process.
- Do this every day to help commit the information to your long-term memory.


## HOW TO USE THE BOOK FOR SELF-QUIZZING



## USING YOUR KNOWLEDGE ORGANISER FOR REVISION

## Research shows that students remember $50 \%$ more when they test themselves after learning something.

You can use your $100 \%$ book to create flashcards.
These should be:

- double-sided
- a question on one side, the answer on the other
- a keyword on one side, a definition or image on the other
- used for self-testing.


| Q1 <br> What is emulsion? Oil, water, droplet, shake, immiscible, bond, mixture. | Q2 <br> What is one <br> similarity between an alkene and an unsaturated fat? |
| :---: | :---: |
| Q3 <br> What is the name for the test for unsaturated fat or alkene? Describe what you would see. | Q4 <br> Describe two ways that saturated fat and unsaturated fat (oil) are different. |
| Q5 <br> What is the advantage of cooking food in oil? Explain your answer. | Q6 <br> Describe what an emulsifier molecule does. |
| Q7 <br> Name the two parts of an emulsifier molecule. | Q8 <br> What is the difference between a monounsaturated fat and polyunsaturated fat? Mono = one Poly = many |

## FEEDBACK

## Your teachers will give you feedback about your learning and progress in many different ways. These will include:

> Verbal feedback about something you are working on in the lesson (practical or written work).
$>$ Verbal feedback through asking questions.
$>$ Guided independent self-assessment.
$>$ Guided peer assessment.
> Instant/quick written comments or identification of SPAG errors on your work as you complete it.
> Written feedback on your work and setting R4 or extension questions for you to complete.
$>$ Knowledge quizzing/short tests that give you a score (i.e. 15/20).
$>$ Longer tests that may also give a score (i.e. in \%) as well as feedback about the content you need to re-learn/refresh.

## You will be expected to respond to

 feedback in the following ways:$\checkmark$ Correcting all SPAG errors and copying out spellings as directed by your teacher.
$\checkmark$ Answering R4 questions and completing extension questions/tasks in green pen.
$\checkmark$ Giving peer feedback when it is expected by the teacher, using the format provided.
$\checkmark$ Setting yourself targets when required, to ensure that you keep developing your knowledge and skills.
$\checkmark$ Focusing on the areas of knowledge that you need to learn and quizzing yourself on these for homework.
$\checkmark$ Showing that you take pride in your work by presenting it neatly.
$\checkmark$ Always asking for help if you don't understand the work or what to do.

## ENGLISH - GRAMMAR

## 1. Punctuation Marks

| Full Stop | Question Mark <br> Used at the end of an <br> interrogative sentence <br> to form a question. <br> sentence. | Exclamation Mark <br> Used at the end of <br> an interrogative <br> sentence to form a <br> question. | Comma <br> Use to separate <br> clauses in a <br> sentence. |
| :---: | :---: | :---: | :---: |
| Speech Mark |  |  |  |
| Used to show <br> when a <br> character <br> speaks. | Colon <br> Used to separate two <br> independent clauses <br> when the second <br> explains or illustrates <br> the first. | Semi Colon <br> Used to separate <br> two independent <br> clauses that about <br> the same topic. | Apostrophe <br> Used in three <br> ways to show <br> contraction, <br> plural or <br> possession. |
| Hyphen <br> Can take the place of <br> commas, parentheses, <br> or colons - in each <br> case to slightly <br> different effect. | Slash <br> Used to separate <br> numbers, letters or <br> words. | Ellipsis <br> Use in non-fistion to <br> show omission. In <br> fiction show <br> hesitancy or long <br> pause. | Parenthesis <br> Used to add extra <br> information in a <br> sentence. |

## 3. Sentence Types

Simple Consists for one independent clause. (An independent clause contains a subject and verb and expresses a complete thought.)
Examples:

- I like coffee.
- Mary likes tea.

Compound Is two (or more) independent clauses joined by a conjunction or semi-colon. Each of these clauses could form a sentence alone.

- I like coffee and Mary likes tea.
- Mary went to work but John went to the party
- Our car broke down; we came last.

Complex
Consists of an independent clause plus a dependent clause. A dependent clause starts with a subordination conjunction or a relative pronoun and contains a subject and a verb but does not express a complete thought.

- We missed our plane because we were late.
- Our dog barks when she hears a noise.


## 2. Apostrophe Rules

## To show contraction:

Used to show when letters are omitted from words.

- Do not = don't
- Could not = couldn't
- They are = they're


## To show possession:

Can be used to show that one thing belongs to or is connected to something.

- The cat's tail was fluffy

Cat is a singular noun so you need to add an apostrophe and ' $s$ ' to show that the tail belongs to the cat

- Charles's cat was naughty

Charles is a singular noun so, even though it ends in an 's' already, you need to add an apostrophe and another ' $s$ ' to show that the cat belongs to Charles.

- The brothers' feet were muddy.

Brothers is a plural noun that ends in an 's' so you don't add another 's' after your apostrophe. You just add the apostrophe to show the feet belong to the brothers.

- The children's toys were broken

Children is a plural noun but it doesn't end with an ' $s$ ', so you need to add an apostrophe and ' $s$ ' to show that the toys belong to the children.

## 4. Word Types

| Noun: A name, place or <br> thing | Verb: A being, doing or <br> having word | Adjective: A word <br> that describes the <br> noun |
| :--- | :--- | :--- |
| Abstract Noun: An idea <br> or concept, e.g. bravery, <br> courage, love | Modal Verb: A word that <br> shows necessity or <br> possibility | Pronoun: A noun <br> that can be <br> substituted for a <br> name |
| Concrete Noun: A noun <br> that can be identified <br> through one of the five <br> senses (taste, touch, <br> sight, hearing or smell) | Adverb: A word that <br> describes a verb | Preposition: The <br> position or <br> location of a word |

Abstract Noun: An idea
or concept, e.g. bravery,

## Concrete Noun: A noun

 senses (taste, touch,sight, hearing or smell)

- Hello.
- The more, the merrier


# THE REGIS SCHOOL SPELLING LIST Year 7 

## Why is spelling important?

Aside from being given marks for spelling in exams, learning to spell is extremely useful if we want to become confident readers and writers. If you are constantly stopping to think about how words are spelled while you write, it can interrupt the flow of your thoughts, taking you away from what we want you to be thinking about: your choice of words and how
you construct those words into sentences that communicate exactly what you want to say.
If you are a confident speller, you are also much more likely to make adventurous vocabulary choices, selecting the exact
word to communicate your message, rather than playing it safe and using a word you already know how to spell.
Being a great speller makes you a more effective communicator, allowing you to share your own thoughts and ideas with the world!

## Quizlet

All spellings are available on ‘Quizlet'. Follow the link and, if you haven't done so already, create an account using your school email address

Link: https://quizlet.com/join/9Nx5MHGr4
Use the spelling pages to practise your weekly spellings. First, look carefully at the word. Study its shape and the order of the letters. Then, cover the spelling; try to see it in your mind's eye. Attempt to write the spelling out. Check your work: have you missed a letter? Got letters mixed up or jumbled?
Try again. Even if you get it right first time, practice makes perfect. Fill in the
 grid to ensure you are ready for your test in tutor time.

| Week 1 - 'TlON' | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Action |  |  |  |  |  |
| Competition |  |  |  |  |  |
| Conduction |  |  |  |  |  |
| Convection |  |  |  |  |  |
| Inspiration |  |  |  |  |  |
| Lotion |  |  |  |  |  |
| Motion |  |  |  |  |  |
| Neutralisation |  |  |  |  |  |
| Pollution |  |  |  |  |  |
| Potion |  |  |  |  |  |
| Challenge Words: |  |  |  |  |  |
| Excommunication |  |  |  |  |  |
| Syncopation |  |  |  |  |  |


| Week 2 - <br> Vowel <br> Combinations | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |
| :--- | :--- | :--- | :--- | :--- |
| Bacteria |  |  |  |  |
| Beat |  |  |  |  |
| Heat |  |  |  |  |
| Hinduism |  |  |  |  |
| Hygiene |  |  |  |  |
| Nucleus |  |  |  |  |
| Omniscient |  |  |  |  |
| Piano |  |  |  |  |
| Theist |  |  |  |  |
| Treat |  |  |  |  |

## Challenge Words:

| Week 3 - 'ER' | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |
| :--- | :--- | :--- | :--- | :--- |
| Afterlife |  |  |  |  |
| Clergy |  |  |  |  |
| Erosion |  |  |  |  |
| Exercise |  |  |  |  |
| Ever |  |  |  |  |
| Ledger |  |  |  |  |
| Monastery |  |  |  |  |
| Amber |  |  |  |  |
| Solder |  |  |  |  |
| Berry |  |  |  |  |
| Chate |  |  |  |  |

## Challenge Words:

| Jerusalem |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Sincerely |  |  |  |  |


| Entrepreneur |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Mitochondria |  |  |  |  |
| Week 4 - <br> Double Letters | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |
| Accuracy |  |  |  |  |
| Applique |  |  |  |  |
| Express |  |  |  |  |
| Narrator |  |  |  |  |
| Parallel |  |  |  |  |
| Pillar |  |  |  |  |
| Skill |  |  |  |  |
| Sudden |  |  |  |  |
| Suggest |  |  |  |  |
| Supplier |  |  |  |  |
| Challenge Words: |  |  |  |  |
| Correspondence |  |  |  |  |
| Questionnaire |  |  |  |  |


| Week 5 - <br> S Words | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |
| :--- | :--- | :--- | :--- | :--- |
| Simile |  |  |  |  |
| Sketch |  |  |  |  |
| Skill |  |  |  |  |
| Solve |  |  |  |  |
| Some |  |  |  |  |
| Spain |  |  |  |  |
| Stanza |  |  |  |  |
| Strength |  |  |  |  |
| Structure |  |  |  |  |
| Sum |  |  |  |  |


| Week 6 - <br> Ends in E | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |
| :--- | :--- | :--- | :--- | :--- |
| Because |  |  |  |  |
| Before |  |  |  |  |
| Calculate |  |  |  |  |
| Debate |  |  |  |  |
| Estimate |  |  |  |  |
| Genre |  |  |  |  |
| Particle |  |  |  |  |
| Texture |  |  |  |  |
| Tone |  |  |  |  |
| While |  |  |  |  |

## Challenge Words:

| Chailenge Words. |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Stretching |  |  |  |  |
| Symbolism |  |  |  |  |


| Endurance |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Factorise |  |  |  |  |


| Week 7 - 'Ag' | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Agility |  |  |  |  |  |
| Agnostic |  |  |  |  |  |
| Agreeable |  |  |  |  |  |
| Antagonist |  |  |  |  |  |
| Baggage |  |  |  |  |  |
| Caged |  |  |  |  |  |
| Imagery |  |  |  |  |  |
| Protagonist |  |  |  |  |  |
| Rampage |  |  |  |  |  |
| Snag |  |  |  |  |  |
| Challenge Words: |  |  |  |  |  |
| Plagiarise |  |  |  |  |  |
| Spaghetti |  |  |  |  |  |


| Week 8 - 'the' | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Atheist |  |  |  |  |  |
| Breathe |  |  |  |  |  |
| Anthem |  |  |  |  |  |
| Theme |  |  |  |  |  |
| Therefore |  |  |  |  |  |
| Mathematics |  |  |  |  |  |
| Feather |  |  |  |  |  |
| Weather |  |  |  |  |  |
| Theatre |  |  |  |  |  |
| Mother |  |  |  |  |  |
| Challenge Words: |  |  |  |  |  |
| Monotheism |  |  |  |  |  |
| Apartheid |  |  |  |  |  |


| Week 9 - 'ph' | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 | $\begin{array}{\|l} \hline \text { Week } 10 \text { - } \\ \text { 'v-c-v' } \end{array}$ | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Metaphor |  |  |  |  | Balance |  |  |  |  |
| Phase |  |  |  |  | Business |  |  |  |  |
| Photo |  |  |  |  | Diffuse |  |  |  |  |
| Sphere |  |  |  |  | Disappoint |  |  |  |  |
| Graphic |  |  |  |  | Final |  |  |  |  |
| Telephone |  |  |  |  | Holocaust |  |  |  |  |
| Physical |  |  |  |  | Kinetic |  |  |  |  |
| Phonics |  |  |  |  | Motor |  |  |  |  |
| Paragraph |  |  |  |  | Power |  |  |  |  |
| Phoenix |  |  |  |  | Research |  |  |  |  |
| Challenge Words: |  |  |  |  | Challenge W |  |  |  |  |
| Photography |  |  |  |  | Irresistible |  |  |  |  |
| Physiology |  |  |  |  | Quantitative |  |  |  |  |


| Week 11 - <br> 'recap' | Attempt 1 | Attempt 2 | Attempt 3 | Attempt 4 |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Anthem |  |  |  |  |  |
| Because |  |  |  |  |  |
| Heat |  |  |  |  |  |
| Motor |  |  |  |  |  |
| Particle |  |  |  |  |  |
| Pollution |  |  |  |  |  |
| Simile |  |  |  |  |  |
| Theist |  |  |  |  |  |
| Therefore |  |  |  |  |  |
| Weather |  |  |  |  |  |
| Challenge Words: |  |  |  |  |  |
| Endurance |  |  |  |  |  |
| Entrepreneur |  |  |  |  |  |

## MATHS CORE KNOWLEDGE



## Maths Lesson Essentials!

- Have you written and underlined the date and title?
- Have you written the question and shown your working out?
- Have you shown your units?
- Have you brought your calculator?
- Have you marked your answer in green pen?
- Does your answer make sense?


## NUMBER and ALGEBRA

Ascending
Descending
Denominator
Numerator
Solve

Solution
Decimal
Percentages
Binary
Integer

## DATA

Mean
Median
Mode
Range
Scale
Proportion
Discrete data
Continuous data
Frequency
Cumulative frequency
Upper quartile
Lower quartile
Interquartile range
Distribution
Correlation
Scatter graph

## SHAPE

Names 3D
Sphere
Cylinder
Tetrahedron
Prism
Cone
Pyramid

## SHAPE

## Names 2D

## Quadrilaterals

Parallelogram
Trapezium
Rectangle
Rhombus
Triangles
Equilateral Right-angle Isosceles
Scalene
Keywords

## Circle

Polygon
Interior angles
Exterior angles
Acute angle
Right angle
Obtuse angle
Reflex angle
Vertically opposite angles
Corresponding angles
Alternate angles
Co-interior angles
Pythagoras
Trigonometry
Parallel
Perpendicular

## MATHS CORE KNOWLEDGE

Areas
Rectangle $=1 \times w$
Triangle $=\frac{1}{2} b \times h$
Columes
Cuboid $=l \times w \times h$
Prism $=$ area of cross section
$\times$ length

## Important Formulae



## Circles

## Circumference $=$

$\pi \times$ diameter, $C=\pi d$
Circumference $=$
$2 \times \pi \times$ radius, $C=2 \pi r$
Area of a circle =
$\pi \times$ radius squared $A=\pi r^{2}$


## Pythagoras

## Pythagoras' Theorem

For a right-angled triangle, $a^{2}+b^{2}=c^{2}$

Trigonometric ratios (new to $F$ )
$\sin x^{\circ}=\frac{\text { opp }}{\text { hyp }}, \cos x^{\circ}=\frac{\text { adj }}{\text { hyp }}, \tan x^{\circ}=\frac{\text { opp }}{\text { adj }}$


## SCIENCE CORE KNOWLEDGE

## 1. How Science Works Keywords

| Keyword | Definition |
| :--- | :--- |
| Evidence | A set of data that proves a prediction or hypothesis. |
| Hazard | Something that could be dangerous. |
| Risk | Chance of something dangerous happening. |
| Prediction | Something you think will happen. |
| Hypothesis | Why you think something will happen. |
| Variables | Something that changes. |
| Independent variable | The variable that is changed or controlled in an experiment to <br> test the effects on the dependent variable. |
| Dependent variable | The variable being tested and measured in an experiment. |
| Control variable | Something that is constant and unchanged during the <br> experiment. |
| Repeatability | Closeness of repeats of results to each other. |
| Reproducibility | Agreement of results from different groups testing the same <br> factor. |
| Accuracy | Closeness of a measured value to a standard or known value. |
| Precision | Closeness of two or more measurements to each other. |
| Reliability | The degree to which the result of a measurement can be <br> depended on to be accurate. |

## 2. Key Equipment



Metre ruler - used in multiple investigations in the lab. Allows us to measure to the nearest cm .

Measuring tape - used in sampling alongside the quadrat. Placed onto the ground to make a transect line to measure against.

## SCIENCE CORE KNOWLEDGE

| 3. Graphing, Analysis and Evaluation Keywords |  |  |
| :---: | :---: | :---: |
| Keyword | Definition | Example |
| Hypothesis | An educated guess based on what you already know. | The rate of photosynthesis will increase as the lamp moves closer to the beaker. |
| Independent Variable | The variable that can be changed by the scientist, it is the cause. Found on the $x$ axis. | Distance from lamp to beaker (cm) |
| Dependent Variable | The variable that the scientist observes, it is the effect. Found on the $y$-axis. | Number of bubbles (per minute) |
| Control Variable | The variables that must always be kept the same. | Temperature, the size of the pond weed, amount of water |
| Line of Best Fit | A line that goes roughly through the middle of all the scatter points on a graph. | The red line on the graph above shows the line of best fit for the data plotted. |
| Calculations | Use the correct equation to be used based on the variables of the experiment. Use correct units. | Calculation for mean of number of bubbles per minute: $\begin{gathered} \text { Trial } 1+\text { Trial } 2+\text { Trial } 3 \div 3 \\ \begin{array}{c} 15+14+15 \div 3 \\ =14.6 \end{array} \end{gathered}$ |
| Results Analysis | Identify patterns in data. Describe what the table and graph show. | As the lamp is getting closer to the beaker, more bubbles are produced. |
| Conclusion | Answer your original question. State whether or not the hypothesis was supported. | The results prove that the rate of photosynthesis is effected by the distance of the light source. As the lamp was moved closer to the baker, more bubbles were produced. |
| Evaluation | Suggest an improvement for the equipment used. Suggest an improvement for the method used. | Use an LED lamp. Measure the volume of oxygen produced. |


| Distance from lamp to beaker (cm) | Number of bubbles (per minute) |  |  | Mean number of |
| :---: | :---: | :---: | :---: | :---: |
|  | Trial 1 | Trial 2 | Trial 3 |  |
| 10 | 15 | 14 | 15 | 14.6 |
| 20 | 7 | 7 | 7 | 7 |
| 30 | 7 | 7 | 6 | 6.7 |
| 40 | 1 | 2 | 1 | 1.3 |
| 50 | 0 | 0 | 0 | 0 |
|  | Investigating the Rate of Photosynthesis |  |  |  |
|  | $0$ <br> Dista | $20$ <br> from depen |  |  |

## Investigating the Rate of Photosynthesis



## ART

## Practical Skills Visited

## Skills

## Colour

The colour wheel - deepening knowledge and ability to confidently mix primaries and secondaries

## Drawing

Mark-making
Basic shapes/accuracy of outline shapes
Tone - shading from dark to light and directional shading
Portrait basic - proportions

## Painting

Colour mixing, blending, directional brushstrokes

## Printing

Mono - printing

## 3D

Clay - basic intro - rolling/joining, pinch pot etc.

## Photography

Photography for recording ideas - basic editing on phones

## Literacy

To be able to explain ideas, and reflect on your own work.
To be able to write about an artwork, describing it in detail using the model 'form, content, process, mood'.

## Vocabulary

## Colour

Tone - Darks and lights and everything in between

Primary colours - Red, yellow and blue: cannot be created by mixing other colours together

Secondary colour - 2 primary colours mixed together in equal amounts: green, purple and orange

Portrait - An artwork focussing on a person's face

Proportion - The size things are in comparison to each other

Blending - Mixing colours or tones together
Charcoal - Burnt willow sticks used to create very black dramatic lines and shadows

Texture - The way something feels to the touch - or showing this through the way you draw or paint something, e.g. through mark making

Form - The 3D shape of something
Natural forms - Objects that are natural, e.g. leaves, seedpods fir cones shells

Still life - A group of objects arranged together in a particular way

## Stretch/Further Reading

## Drawing

1. Complete drawings of anything from real life each week, focussing on the actual shape.
2. Complete some 'blind contour' drawings. https://www.bing.com/videos/search?q=blind+colto ur+drawing\&\&view=detail\&mid=645E010C9DA18F6 75865645 E010C9DA18F675865\&\&FORM=VDRVRV
3. See how many different tones/shaded you can get out of an HB pencil.
4. Find out about traditional African Art.
a. How is Moroccan Art different from the Art of Kenya?
b. How was Picasso influenced by African Art?
5. If possible, visit the British Museum in London.
https://www.bing.com/videos/search?q=british+mu seum+african+art\&view=detail\&mid=2AEAAA6B885 C5075FC092AEAAA6B885C5075FC09\&FORM=VIRE

## Artists

Find out about the following artists:

- Van Gogh
- Matisse
- Paul Klee
- Picasso


## COMPUTING (THE COMPUTER)

| Keyword | Definition - Add from Bitesize |
| :---: | :---: |
| Hardware |  |
| Software |  |
| Peripheral |  |
| Motherboard |  |
| CPU |  |
| Spreadsheet Software |  |
| Web Browser |  |
| Database Software |  |
| Presentation Software |  |
| Word Processing Software |  |
|  | Homework Checklist for first term |
| Get ahead | https://www.bbc.com/bitesize/topics/zmpsgk7 |
| Idea Badges | - Teamwork, The Art of Selling, Researcher <br> - Digital Research |
| $3 \quad$ Keywords from KO | You could also use https://quizlet.com to practice |
| Extension work | Cyber Spies, <br> Build your own - https://www.computerplanet.co.uk/ How much? |

## PERFORMANCE ARTS - DRAMA AND DANCE

## Drama Techniques

Ensemble: This is a French word for group. Working as an ensemble means working or moving or talking together as a chorus.

Characterisation: Creating a character that is different
2 from yourself by using a combination of vocal and physical drama skills.

Soundscape: Building up a serious of sounds, noises, words or rhythms to create an atmosphere or create the impression of a particular setting, e.g. a storm at sea.

Mime: Silently using your body language and gesture 4 to act like you are doing something but without props.

## Drama Techniques

1 Choral speaking: Talking at once as an ensemble/chorus. Also known as 'speaking in unison'.
2 Choral movement: Moving at once as an ensemble/chorus. Also known as 'moving in unison'.


## Dance

 Creating and Developing a Motif1 Using actions, space, dynamics and relationship content.

2 Choreographic devices to manipulate movement such as repetition, unison, canon and contrast.

3 Choreographic process to include research, improvisation, refinement and development.

## Dance

Physical and
Skills
Flexibility: The range of movement in the 1 joints (involving muscles, tendons and ligaments).
Balance: A steady or held position
2 achieved by an even distribution of weight.

Stamina: Ability to maintain physical and mental energy over periods of time.

4 Strength: Muscular power.

Focus: Use of the eyes to enhance performance or interpretative qualities.

Projection: The energy the dancer uses to connect with and draw in the audience.

Musicality: The ability to make the unique
7 qualities of the accompaniment evident in performance.

Safe Practice: To include warm up and appropriate clothing.

## ENGLISH (rEADING ANALYSIS)

## 1. What, How and Why prompts

## What is the writer doing?

- The writer is ...
- In the novel ... the writer uses ... to ...
- The writer creates an atmosphere of ... by using ...

In Chapter 8 of Treasure Island, the writer describes Long John Silver as a physical strong and able character.

How are they doing this? How do they use the language/language techniques/structure to do this? How do key words/phrases show this?

- For example, (add quotation) the use of ...
- The adjective/alliteration/simile/metaphor ...
- This suggests/implies/demonstrates/presents/ highlights/
- The writer uses ... coupled with ... to highlight ...

For example, 'under the left shoulder he carried a crutch, which he managed with wonderful dexterity, hopping about upon it like a bird.' The simile 'hopping like a bird' suggests that Long John Silver is very happy.

Why are they doing this? Why did they choose that language? Why might they want us to interpret it in different ways?

- This may suggest ... Alternatively it may suggest ...
- The writer wants to create a feeling of ... Additionally it may suggest ...

This may suggest that despite losing a leg Long John Silver is not physically held back in any way, rather he is able to move lightly and happily. Alternatively, it may suggest that Long John Silver is always looking for a way to escape the inn in the way that a bird might fly away at any moment.

## 3. Writing about the effect

3a. How the reader feels

The writer makes the reader feel ...

- Suspicion
- Outrage
- Disgust
- Curious
- Calm
- Joyous
- Anxiety
- Irritation
- Compassion
- Respect
- Horror


## 3b. Vocabulary to write

 about textsThe writer ...

- Builds
- Develops
- Contrasts
- Intensifies
- Reinforces
- Highlights
- Begins
- Maintains
- Introduces
- Emphasises
- Organises


## 4. Literary techniques

## 4a. Language techniques:

Emotive language: language used to provoke strong feelings in the reader.
Rhetorical question: a question designed not to require an answer. Imagery: vivid description of a particular scene.
Adverb: modifies a verb, adjective, adverb or phrase.
Metaphor: direct comparison of two things without using 'like' or 'as'. Repetition: the repeating of key words or ideas.
Alliteration: words close to or next to each other that start with the same sound.
Onomatopoeia: Words used to imitate sound.
Personification: Non-human things that are given human characteristics.
Simile: A comparison using 'like' or 'as'.
Tripartite sentence or triple: giving three reasons or explanations of something.

## 4b. Structural techniques:

Contrast: the deliberate positioning of two or more objects/events/characters who have distinctly different characteristics.
Listing: a number of connected items written one after the other to emphasise a particular quality.
Shifts in focus: the change of focus in or between paragraphs
Zooming in and zooming out: the narrowing and the widening of narrative focus.
Narrative voice: $1^{\text {st }}, 2^{\text {nd }}, 3^{\text {rd }}$ person
Chronological structure: arranged in order of time.
Tense: past, present, future.
Dialogue: the speech of a character indicted by speech marks.

## ENGLISH (wRIING)

## 1. FICTION WRITING

## 1a. Literary Terminology

| $1^{\text {st }}$ person narrator | Written from the perspective of 'I'. |
| :--- | :--- |
| omniscient narrator | An all seeing, all wise narrator |
| symbolism | The use of symbols to represent ideas or qualities |
| motif | Repeated image or idea. |
| foreshadowing | A warning or indication of a future event. |
| onomatopoeia | Words that when spoken aloud sound like their meaning. |
| metaphor | A comparison of one thing to another saying it is something else. |
| personification | human. |
| simile | A comparison of one thing to another using like or as. |
| extended metaphor | Comparison between two unlike things that continues throughout a series of <br> sentences in a paragraph. |
| pathetic fallacy | When the weather reflects the feelings of the character and/or mood of the <br> piece. |
| alliteration | The occurrence of the same letter or sound at the beginning of adjacent or <br> closely connecter words. |

## 1b. Part Story Structure for Narrative Writing

| Exposition | Rising Action | Climax | Denouement | Resolution |
| :--- | :--- | :--- | :--- | :--- |
| This is where you <br> outline your <br> setting, introduce <br> your main <br> characters and the <br> time in which your <br> story is set. | The author puts <br> the character into <br> a complicated <br> situation and <br> forces them into <br> an irreversible <br> situation. | The story reaches <br> a crucial moment. <br> The tension builds <br> reaching a peak. | The story explores <br> the consequences <br> of the climax. The <br> tension starts to <br> ease. | The story's central <br> problem is finally <br> resolved leaving <br> the reader with a |
| sense of |  |  |  |  |
| completion. |  |  |  |  |

## 1c. Ideas to structure a piece of Descriptive Writing

## Drop: How can we drop the reader into the action?

Shift: Will we shift in time, mood or place? Decide where you want to take your piece of writing.
Zoom in: What tiny detail shall we zoom in on and write a lot about?
Zoom out: Returning to the main scene, what shall we focus on? Leave: Write a one-line paragraph that finishes off your piece.

## 2. NON-FICTION WRITING

## 2a. Key Terminology

bias
An inclination or prejudice for or against one person or group.
humour
The quality of being amusing or comic.
The choice of writing style the writer employs to convey specific feelings, emotions or attitudes.

The ability to understand and share the feelings of another.
A short amusing or interesting story about a real incident or person.
A state of affairs or an event that seems deliberately contrary to what one expects and is often amusing as a result.

The art of effective persuasive writing often using a range of persuasive techniques such as alliteration, facts, rhetorical questions and tripartite sentences.
rhetoric
persuasion
To convince someone through rational argument that your opinion is correct
imperatives Phrases used to give orders, commands, warning or instructions
pathos A quality that evokes pity or sadness
logos To appeal to logic and reason.
ethos To appeal to people's sense of right and wrong.

## 2b. Forms of Non-Fiction Writing

| Article | Letter | Essay | Speech | Leaflet |
| :--- | :--- | :--- | :--- | :--- | :--- | (

## 2c. Ideas to structure a piece of Non-Fiction Writing.

## Plan 1

Introduction outlining your point of view/argument Point 1 (your $1^{\text {st }}$ reason for or against) Point 2 (your $2^{\text {nd }}$ reason for or against) Point 3 (your $3^{\text {rd }}$ reason for or against)
Conclusion - briefly concluding your argument with a strong statement

## 1. CONTEXT

Author: Robert Louis Stevenson (1850-1894) Nationality: Scottish
Other notable works: 'The Strange Case of Dr. Jekyll \& Mr. Hyde', 'Kidnapped' and 'The Master of Ballantrea'
Dates: Written 1881, published 1883
Genre: Adventure, Bildungsroman, Quest narrative Set: The events take place in the mid-18th century Two separate locations: Admiral Benbow, a small sea-side inn situated in Black Hill Cove, near Bristol on the South-western coast of England (opening) and an island off the coast of 'Spanish America' (Treasure Island)

## Author biography

Born in Edinburgh, Scotland, in November 1850
The only child of a prosperous middle-class family.
Two of the most important influences on his childhood were his Two of the most important influences on his childhood w
family's strict Presbyterian religion and his own ill health. family's strict Presbyterian religion and
Travelled widely in search of health.
Travelled widely in search of health.
Aged sixteen, he followed in his father's footsteps by studying
Aged sixteen, he followed in his father's footsteps by studying
engineering at Edinburgh University. He later abandoned this to
engineering at Edinburgh University. He later abandoned this to
study law, although he never practiced.
His passion for reading developed in childhood and inspired him
to write.
Started writing periodical, short stories, travel pieces and essays. Treasure Island was his first full fiction novel and brought him wide spread fame.

## Social \& historical background

In the $18^{\text {th }}$ Century between 1713 and about 1725, thousands of pirates prowled the Atlantic,
This time period was referred to as the so-called 'Golden Age of Piracy'.
Many government officials, particularly in the American colonies, turned a blind eye to piracy, and often supported it.
Trading vessels from European countries, e.g. Great Britain, were an easy target.
Many men turned to piracy partly because were badly treated and Many men turned to piracy partly because were badly
poorly paid so often volunteered to join their captors.
poorly paid so often volunteered to join their captors.
The crews of naval or merchant ships served under the strict rule of a captain and officers they had not chosen.
Pirate crews were generally democratic - each crew would elect their captain and depose them if they were unhappy.
Stolen coins, precious metals, and other non-perishable items were often hard to sell so stored in safe places until they could return to sell for a profit.
Pirates buried their loot on one of the many small islands around the Caribbean Sea.
Many men who sailed under pirate flags were in their teens, or even younger. Before they turned forty, many pirates were retired, blind, crippled or dead.
A chance to recover a large amount of treasure would have been a dream come true for older pirates like Billy Bones and Pew.

## 2. KEY CHARACTERS

Jim Hawkins: twelve or thirteen year old boy. Son of an innkeeper and the novel's protagonist and principal narrator.

Mr. \& Mrs Hawkins: Jim's parents.
Squire John Trelawney: a country squire; a wealthy man who finances the trip to Treasure Island.
Captain Alexander Smollett: the new captain of the Hispaniola, the ship Squire Trelawney has bought.
Dr. David Livesey: a local doctor and district magistrate who is a minor narrator in Chapters 16-18.

Mr. Arrow: the First officer of the Hispaniola; a drunkard.
Billy Bones ("The Captain"): an old sailor; a pirate.
Black Dog: Billy Bones' old shipmate; another pirate.
Long John Silver: a Bristol tavern-keeper; ship's cook; another pirate.
Pew: A blind beggar; another pirate.
Ben Gunn: the "man of the island,"; a reformed pirate.
Tom Redruth, Hunter, Joyce: servants of Squire Trelawney.
Abraham Gray, Tom, Alan: honest seaman on the Hispaniola.
Job Anderson, Israel Hands, Tom Morgan, George Merry, O'Brien,
Dick: crewmen on the Hispaniola; pirates.

## 3. KEY TERMINOLOGY

## Bildungsroman

A type of novel that focuses on the education, spiritual, psychological and moral development of its protagonist from childhood to adulthood (also known as a 'coming of age novel').
literary
conventions
Defining features of particular literary genres, such as novel, short story, ballad, sonnet and play.
quest narrative
A quest is used as a plot device in mythology and fiction. The story follows a difficult journey towards a goal, often symbolic or allegorical.

## protagonist

The central character or leading figure in a poem, narrative, novel or any other story. Sometimes can also be referred to as a "hero" by the audience or readers.

## 4. KEY VOCABULARY

|  | $\quad$ Definition |
| :--- | :--- |
| hero | A main character in a literary work who, in the face of danger, combats <br> adversity through feats of resourcefulness, bravery or strength. |
| heroism | The qualities of a hero or heroine; exceptional or heroic courage when <br> facing danger. |
| villain | A character in a novel, play or film whose evil actions or motives are <br> important to the plot. |
| moral <br> ambiguity | A lack of certainty about whether something is right or wrong. |
| coracle | A short roundish boat of skins or waterproofed canvas stretched over a <br> wood or wicker frame. |
| piracy | Typically an act of robbery or criminal violence at sea. |
| mutiny | An open rebellion against the proper authorities, especially by soldiers or <br> sailors against their officers. |
| mutineers | A person, especially a soldier or sailor, who rebels or refuses to obey the <br> orders of a person in authority. |
| marooned | To leave someone trapped and alone in an inaccessible place, especially an <br> island, as a means of punishment. |
| plunder | To steal goods from (a place or person), typically using force and in a time <br> of war or civil disorder. |
| Davy Jones | In folklore, the spirit of the sea, or the sea personified; used by sailors of <br> the eighteenth and nineteenth centuries. |
| booty | The term given to stolen treasure, plunder, or any valuables gained by <br> deceitful or dishonest means. |
|  |  |

## 3. KEY TERMINOLOGY

| stock characters | A fictional character based on a common stereotypes. Stock <br> characters rely heavily on cultural types or names for their personality, <br> manner of speech and other characteristics. |
| :--- | :--- |
| archetype | A typical character, an action or a situation that seems to represent <br> universal patterns of human nature. Also known as "universal <br> symbol," which may be a character, a theme, a symbol or even a <br> setting. |
| first person <br> narrative | A narrative or mode of storytelling in which the narrator appears as <br> the 'I' recollecting his or her own part in the events that occur, either <br> as a witness of the action or as an important participant in it. <br> (narrative perspective) |
| foreshadowing | A literary device in which a writer gives an advance hint of what is to <br> come later in the story. |
| rising action | A related series of incidents in a literary plot that build towards the <br> point of greatest excitement/interest. |
| climax | The point of highest tension in a narrative. |

## ENGLISH (SHAKESPEARE, THE TEMPEST)

## 1. CONTEXT

Playwright: Shakespeare (April 23 ${ }^{\text {rd }} 1564$-April $23^{\text {rd }} 1616$ )
Dates: written around 1610
Published: in 'The First Quarto' in 1597
Era: Renaissance (1500-1600)
Genre: Comedy (sometimes classed as a problem play) Set: an island somewhere in the Mediterranean Structure: Five-Act Play

## Biography of Shakespeare

- Born in Stratford-Upon-Avon on April $23^{\text {rd }} 1564$.
- Married Anne Hathaway in 1582
- Left his family around 1590 to move to London to become an actor and playwright.
- Highly successful, he established himself as the most popular playwright of his day.
- Part-owner of The Globe Theatre in London.
- His first theatre group was called Lord Chamberlain's Men, later changed to the King's Men (1603) under the patronage of King James I.
- A prolific writer who is said to have written at least thirty-seven plays, as well as narrative poems and a collection of sonnets.
- Died on his birthday in Stratford-upon-Avon in 1616.


## Notable works

Shakespeare's plays can be categorised into three genres.
Tragedy: e.g. 'Macbeth', 'King Lear', 'Hamlet' History: e.g. 'Richard III', 'Antony \& Cleopatra', 'Henry V' Comedy: e.g. 'Much Ado About Nothing', 'As You Like It', 'Twelfth Night'

## Social, Historical \& Literary Context

## Colonisation:

The play deals with the theme of colonisation. At this time England was starting to colonise foreign lands often seeing the inhabitants as savages.

- England was fast becoming a world power; Shakespeare explores the relationship between the coloniser and the colonised in The Tempest through the characters of Prospero and Caliban.
- Social status was gained through education, only accessible to the wealthy, therefore native people were often seen as second class citizens.


## Magic and Science:

In Shakespeare's time there was little distinction between magic and science.

- Many writers incorporated otherworldly elements into their work to find some rationale for all the misfortune in the world (plague, war, death, disease etc.).


## 2. KEY CHARACTERS

Prospero: the play's protagonist. He wields power over his enemies through magic and, having been usurped as Duke of Milan, now rules the island.

Miranda: Prospero's daughter. Naive, compassionate and loyal due to her sheltered life on the island.

Ariel: Prospero's spirit slave. Prospero rescued him from the witch Sycorax.

Caliban: Prospero's slave who believes the island rightfully belongs to him. His name is an anagram of cannibal.
King Alonso: King of Naples who aided Antonio in usurping Prospero. He learns to regret his actions.

Ferdinand: son and heir of Alonso.
Gonzalo: an, old honest Lord. He helps Prospero and Miranda when Alonso sends them off in a leaky boat.

Antonio: Prospero's brother. Power-hungry and foolish.
Sebastian: Alonso's brother. Aggressive, cowardly and disloyal
Stephano: a drunken butler.
Trincolo: a jester.

## 3. KEY TERMINOLOGY

| Comedy play | A style of play that has a happy ending, usually <br> involving marriages between the unmarried <br> characters, and a tone and style that is more light- <br> hearted than Shakespeare's other plays. |
| :--- | :--- |
| Literary <br> Conventions | Defining features of particular literary genres, such <br> as novel, short story, ballad, sonnet and play. |
| soliloquy | A speech or passage in a drama when a character <br> on stage speaks to himself/herself or the audience, <br> expressing their inner thoughts and feelings. |
| aside | A remark or passage in a play that is intended to be <br> heard by the audience but is supposed to be <br> unheard by the other characters on the stage. |

## 4. KEY VOCABULARY

|  | Definition |
| :--- | :--- |
| Usurp | To take and keep (power) in a forceful way |
| Wield | To have and use |
| Betray | To hurt someone who trusts you |
| Conspirator | A person involved in a secret plan to do something <br> harmful or illegal. |
| Protagonist | Main character |
| Antagonist | Villain |
| Colonisation | Taking control of an area, often by a stronger, richer <br> country |
| Empire | A group of countries controlled by one ruler |
| Archetypal | A perfect example of |
| Enslave | To make (someone) a slave |
| Microcosm | A small version of the world |
| Avenge | To harm or punish someone who has harmed you |
| Hierarchy | A ranking system according to importance or status |
| Ubiquitous | Seen everywhere |
| Cannibal | A person who eats their own kind |
| Savage | Cruel, violent and wild |
| Oppressive | To remove someone's freedoms |
|  |  |

## 3. KEY TERMINOLOGY

| blank verse | Unrhymed lines written in a poetic meter and usually <br> written in iambic pentameter (see below). |
| :--- | :--- |
| rhyming <br> couplets | Two successive lines of verse of which the final words <br> rhyme with another. |
| iambic <br> pentameter | A line of verse with five metrical feet, each consisting <br> of one short (or unstressed) syllable followed by one <br> long (or stressed) syllable, with the accent (or <br> emphasis) placed on the second syllable. |

## Keywords

Bacteria - A single celled organism that can cause food poisoning.

Contamination types - physical, chemical and bacterial.


Cross contamination - When bacteria travels using equipment or food to a different source.

High risk food - Those most likely to encourage bacterial growth, e.g. meat, poultry, fish and dairy.

Danger zone - The temperature range in which bacteria thrives.

Ambient temperature - Normal room temperature.

## Processes and Techniques



## The Eatwell Guide

Tips for healthy eating:

1. Base your meals on starchy food
2. Eat lots of fruit and vegetables
3. Eat more fish
4. Cut down on saturated fat and sugar
5. Try to eat less salt - not more than 6 g a day
6. Drink plenty of water
7. Don't skip breakfast


Electronic scales using for measuring ingredients, e.g. flour, butter, sugar


Measuring jug used to measure liquid ingredients, e.g. water, milk, oil

## Macronutrients

Macronutrients are needed by the body in large amounts.

## Carbohydrates

- Provides the body with energy.
- Most of our energy should come from complex starchy food.
- One third of your diet should come from starch foods.
- If the diet contains more carbohydrates than the body needs, it will turn into fat and be stored in the body.

Fats

- Animal fats are usually saturated (solid) and vegetable fats are usually unsaturated (liquid).
- $\quad$ Saturated animal fats have been linked to increased cases of heart disease.
- Fat provides us with energy.
- It keeps the body warm.
- It protects and cushions internal organs by covering them.


## Protein

- Essential for growth, repair, maintenance and energy.
- High biological value (HBV) proteins come from animals.
- Low biological value (LBV) proteins come from mainly plant foods.


## FOOD PREPARATION AND NUTRITION (RECIPES)

## FRUIT SALAD

1 apple
1 orange
5 grapes
some berries
1 kiwi
a small carton of fruit juice (orange/apple)
a plastic container, with your name on it, to take your fruit salad home in

## FAIRY CAKES

100 g self raising flour 100 g butter/margarine 100 g caster sugar 2 eggs
12 cake cases


## FRUITY BISCUITS

75 g caster sugar
225 g plain flour 150 g butter

## ROCKY ROAD

250 g digestive biscuits
150 g milk chocolate
150 g dark chocolate
100 g butter
150 g golden syrup
100 g chopped dried apricots
75 g raisins

## PASTA IN TOMATO SAUCE

200 g pasta shapes
2 tbsp oil
1 small onion
1 clove of garlic
1 small tin tomatoes
1 tbsp tomato puree
1 tbsp mixed herbs
50 g grated cheese


OPTIONAL INGREDIENTS: 1 red/green pepper, 1 courgette, 6 mushrooms

## TOMATO AND BASIL TART

1 packet of readymade short curst pastry 2 tomatoes
50 g cheese, e.g. mozzarella, gruyere, cheddar handful of basil leaves
2 eggs
125 ml semi-skimmed milk
black pepper


## MUFFINS

240 ml milk
125 ml sunflower or vegetable oil
2 medium-sized eggs
250 g plain flour
100 g sugar
2 heaped tsp baking powder


LEARN KEY WORDS
FRENCH (SPRING TERM 1)

## BUILD PARAGRAPHS

Vocab Set 1 - describing your school

| 1) grand | big |
| :--- | :--- |
| 2) petit | small |
| 3) coloré | colourful |
| 4) Tout neuf | Brand new |
| 5) ancien | old |
| 6) accueiillant | welcoming |
| 7) moderne | modern |
| 8) propre | clean |
| 9) Sale | dirty |
| 10) impressionnant | Impressive |


| Vocab Set 2-school subjects |  |
| :--- | :--- |
| 1) Le dessin | Art |
| 2) I'histoire | history |
| 3) Le français | French |
| 4) I'allemand | German |
| 5) l'espagnol | Spanish |
| 6) l'EPS | P.E. |
| 7) La SVT | biology |
| 8) Je suis fort(e) en... | I am good at |
| 9) Je suis faible en... | I am bad at |
| 10) j'apprends | I learn / I am learning |

Vocab Set 3 - opinions and reasons

| 1) Ma matière <br> préférée est... | My favourite subject <br> is... |
| :--- | :--- |
| 2) J'adore étudier | I love studying |
| 3) j'aime étudier | I like studying |
| 4) Je déteste étudier | I hate studying |
| 5) Je n'aime pas <br> étudier | I don't like studying |
| 6) Car c'est | Because it's |
| 7) Facile | easy |
| 8) barbant | boring |
| 9) Utile | Useful |
| 10) Amusant | entertaining |

Model Answer - describe your school, what do you think of the subjects that you study?, what is your uniform like?

Mon collège, qui s'appelle My school, which is called Le Le collège Louis-Pasteur, collège Louis-Pasteur, is big est grand et coloré.
On étudie beaucoup de matières

Mais la meilleure est la musique.

J’adore étudier la musique car je suis créatif.
Mais je déteste apprendre les maths car c'est difficile. A mon avis, j'adore
l'uniforme car c'est très chic.

On porte une veste noire, une chemise blanche et un pantalon noir.
Le bâtiment est tout neuf
Il y a beaucoup de salles d'informatique

Et une grande
bibliothèque
Mais il serait mieux si on avait une mini-ferme!

Et toi? Décris ton collège.
and colourful.

We study lots of subjects.

But the best one is music.
love studying music because I am creative.

But I hate learning maths because it's difficult. In my opinion, I love the uniform because it's very stylish.

We wear a black blazer, a white shirt and black trousers.

The building is brand new

There are lots of ICT rooms And a big library

But it would be better if we had a petting zoo!

And you? Describe your school.

Vocab Set 4 - uniform

| 1) Un pantalon noir | Black trousers |
| :--- | :--- |
| 2) Un pull noir | A black jumper |
| 3) Un collant noir | Black tights |
| 4) Une jupe noire | A black skirt |
| 5) Une cravate | A tie |
| 6) Une chemise <br> blanche | A white shirt |
| 7) c'est cher | It's expensive |
| 8) C'est démodé | It's old-fashioned |
| 9) il faut porter | You must wear... |
| 10) On ne peut pas <br> porter | We cannot wear... |


| Vocab Set 5 - school equipment |  |
| :--- | :--- |
| 1) Une bibliothèque | A library |
| 2) Une salle <br> d'informatique | An ICT room |
| 3) Des ordinateurs | computers |
| 4) Une piscine | A swimming pool |
| 5) Un centre sportif | A sport centre |
| 6) Un terrain de foot | A football pitch |
| 7) Une cour de <br> récréation | A playground |
| 8) Une patinoire | An ice rink |
| 9) Un snack-bar | A snackbar |
| 10) Une cantine | A canteen |

## AIM HIGH PHRASES

| 1) Qui s'appelle... | Who is called... |
| :--- | :--- |
| 2) Il faut que je sois <br> honnête, | I have to be honest, |
| 3) Pour qu'on puisse | So that we can |
| 4) II serait mieux si <br> j'étais | It would be better if I <br> was... |
| 5) Ce que me plait, <br> c'est... | What I like is |

Vocab Set 1 - (revision) describing someone

| 1) Elle a | She has |
| :--- | :--- |
| 2) Les cheveux | Hair |
| 3) Les yeux | Eyes |
| 4) châtains | Light brown |
| 5) bruns | Dark brown |
| 6) noirs | black |
| 7) roux | Ginger |
| 8) Verts | green |
| 9) Bleus | blue |


| Vocab Set 2-(revision) adjectives |  |
| :--- | :--- |
| 1) Il est | He is |
| 2) Elle est | She is |
| 3) Sympa | Nice |
| 4) Gentil | Kind |
| 5) Agaçant | Annoying |
| 6) Strict, sévère | strict |
| 7) Bavard | Chatty |
| 8) Drôle | Funny |
| 9) très | very |
| 10) assez | Quite |


| Vocab Set 3 - housework |  |
| :--- | :--- |
| 1) Chez moi | At my house |
| 2) J'adore | I love |
| 3) j'aime | I like |
| 4) Je déteste | I hate |
| 5) Je n'aime pas | I don't like |
| 6) Faire mes devoirs | Doing my homework |
| 7) Faire la vaisselle | Doing the washing <br> up |
| 8) Faire le repassage | Doing the ironing |
| 9) Faire la lessive | Doing the washing |
| 10) Passer | Doing the hoovering |
| l'aspirateur |  |

Model Answer - describe your teachers, what do you do to help around the house, what would you like to do when you're older?

| Il y a 60 professeurs au <br> collège | There are 60 teachers at <br> school. |
| :--- | :--- |
| Mais la meilleure s'appelle <br> Madame Marot. | But the best one is called Mrs <br> Marot. |
| Elle a les cheveux courts et <br> blonds et les yeux bruns. | She has short blonde hair and <br> brown eyes. |
| Elle est très douée et <br> créative | She is very talented and <br> creative. |

Donc elle m'inspire So she inspires me to learn d'apprendre le français.
Chez moi, après avoir fait mes devoirs, je fais la vaisselle.
Quelquefois je passe
l'aspirateur
Mais je déteste faire le repassage!
Quelquefois ma mère me donne de l'argent de poche!
Un jour, je voudrais devenir

Soit prof de maths, soit avocat comme mon père Car je suis très intelligent et travailleur

Et toi? As-tu des projets pout l'avenir?

French.
At my house, after having done my homework, I do the washing up.

Sometimes I do the hoovering.

But I hate doing the ironing!

Sometimes my mum gives me some pocket money!

One day I would like to become ...

Either a maths teacher or a lawyer like my dad.

Because I am very intelligent and hardworking.

And you? Do you have plans for the future?

Vocab Set 4 - future jobs

| 1)Je voudrais <br> devenir | I would like to <br> become |
| :--- | :--- |
| 2) Comme | like |
| 3) maçon | Builder |
| 4) Coiffeur | hairdresser |
| 5) avocat | Lawyer |
| 6) prof | teacher |
| 7) sapeur-pompier | Firefighter |
| 8) médecin | Doctor |
| 9) infirmier | nurse |
| 10) Hôtesse de l'air | Air hostess |


| Vocab Set 5-personality for jobs |  |
| :--- | :--- |
| 1) Je suis | I am |
| 2) Je ne suis pas | I am not |
| 3) travailleur | Hard-working |
| 4) ponctuel | Punctual (on time) |
| 5) Fiable | reliable |
| 6) créatif | Cike |
| 7) comme | Live |
| 8) Plus intelligent que | More intelligent than |
| 9) Moins paresseux <br> que | Less lazy than |
| 10) Plus travailleur <br> que | More hard working <br> than |

## AIM HIGH PHRASES

| 1) Qui s'appelle... | Who is called... |
| :--- | :--- |
| 2) II faut que je sois <br> honnête, | I have to be honest, |
| 3) Pour qu'on puisse | So that we can |
| 4) Il serait mieux si <br> j'étais | It would be better if I <br> was... |
| 5) Ce que me plait, <br> c'est... | What I like is... |



## How do we use different rocks?

Sedimentary rock gives limestone is used mainly in the manufacture of Portland cement, the production of lime, manufacture of paper, petrochemicals, insecticides, linoleum, fiberglass, glass, carpet backing and as the coating on many types of chewing gum. Metamorphic rock gives marble is used for building materials and artwork. Marble is beautiful for statues and decorative items such as vases. Ground up marble is also a component of toothpaste, plastics and paper.
Igneous rock gives granite is used in buildings, bridges, paving, monuments and many other exterior projects. Indoors, polished granite slabs and tiles are used in countertops, tile floors, stair treads and many other design elements.


The Earth is thought to be 4,600 million years old. Life is believed to have become dominant on earth 542 million years ago.
The geological periods relate to events that have happened in the Earth's history. For example, during the carboniferous period there were tropical weather conditions in the UK and coal and limestone were formed.
The most recent period in geological time is called the quaternary, when the Ice Age occurred. Rocks are formed at different times and are a result of the environment present during that time. For example, chalk is formed in the cretaceous period, as this is when warm tropical seas were present around the shores of the UK.
Era - An era is a length of geological time that can vary in length - the Palaeozoic was much longer than the Mesozoic.
Eras are subdivided into shorter lengths of time known as periods.


Weathering - Is the process whereby rocks are broken down by the action of things in the environment, such as; the temperature (hot / cold), gases in the air (acid rain) and plants and animals (roots of trees).

1. Mechanical weathering - the breaking of rock into smaller pieces without any change in its chemical nature.
2. Biological weathering - the breaking down of rocks by plant roots or borrowing animals.
3. Chemical weathering - causes an alteration to the chemical composition of rock due to a reaction.
4. Freeze thaw - water freezes in cracks and expands, then thaws and so on.
5. Onion skin - as the sun shines on rocks during the day it causes them to expand. During the night the rock contracts due to the colder temperature. Over time this continued process causes small pieces of surface rock to flake off.
6. Solution - where acidic rain is able to dissolve rocks, e.g. limestone.

## The rock cycle:

1. Rock on the Earth's surface is broken down into stones, sand and clay by weathering. It is known as sediment.
2. The sediment can enter rivers and will be eroded and transported by the river.
3. The river drops the sediment on the ocean floor. This builds up on the ocean bed. Over time the weight causes the sediment to be compacted, leading to sedimentary rocks forming.
4. Further weight pushes the sedimentary rocks downwards into the Earth's crust. Heat and pressure change this into metamorphic rock.
5. The metamorphic rock gets buried further and gets so hot it melts to form magma.
6. Overtime the magma rises up and begins to cool to form igneous rock. Some of this magma shoots out of volcanoes, cooling on the surface.
7. In time the igneous rock on the Earth's surface is weathered down to form sediment and the process repeats.

Your case study on the impacts of a quarry. You must remember your place-specific information!

Advantages - in extraction of rock, distribution and supporting local shops and cafes, providing alternative jobs to farming in rural areas and offering opportunities for young people, providing an essential resource - cement for building. A quarry will normally try to reduce any problems that it creates, e.g. re-planting trees, adding new habitats, using solar energy etc.

Disadvantages - visual impact due to the presence of a large hole in the ground and the presence of spoil heaps, the impact of noise via blasting, transport via large lorries or trains, air pollution and the presence of dust; the loss of wildlife habitats.

| Timeline | 632 Prophet Muhammed dies, having established Islam <br> 638 Muslims conquer Jerusalem. <br> 1076 Seljuk Turks seize control of Jerusalem and stop non- <br> Muslims from travelling there. <br> 1095 Pope Urban II launches First Crusade. <br> 1099 The Christian army captured Jerusalem. Jerusalem <br> was in Christian hands for 88 years. <br> 1187 Muslims began to unite under one leader, Saladin. <br> 11887 Saladin's army recaptured Jerusalem and took <br> other land controlled by Christians. <br> 1192 King Richard met Saladin and they agreed that <br> Jerusalem could remain in Muslim hands, but <br> Christians could visit without coming to any harm. <br> 1217 There were more crusades to recapture the Holy <br> land from Muslims. They all failed.. The Muslims <br> stayed in control for the rest of the medieval age. |
| :---: | :--- |

## Key people

| St Benedict of <br> Nursia | Is a Christian saint famous for being the founder of <br> the Benedictine monastery. Many rules that future <br> monks and nuns followed were started by him. |
| :---: | :--- |
| Pope Urban II | Was the Pope from 1088-1099. He is most famous <br> for calling the First Crusade. This was where he <br> ordered Christian soldiers to recapture the Holy <br> Land from Muslim Turks. |
| Richard the <br> Lionheart | Richard I was King of England from 1189 -1199. <br> Richard got the nickname 'lionheart' because of his <br> bravery in battle. Although King of England he spent <br> most of his reign trying to recapture the Holy Land <br> from Saladin. Failing at this he made his way back to <br> England where he died when a crossbow hit him in <br> his neck during a siege of a French castle. |
| Saladin the |  |
| Merciful | Was a Muslim military leader who united much of <br> the middle east under one rule. He was famous for <br> recapturing Jerusalem from the Christians. |

Pictures \& Diagrams


## Roman Catholic Hierarchy

Just like the kings hierarchy, the feudal system, was based on land the church had their own hierarchy based on power. At the top you would have the Pope who was seen as Gods representative on Earth. His teachings and instruction would be sent to his cardinals and spread to all the archbishops of the Western World. The Archbishop was the most important religious figure in a country, under him he would have many bishops who would be in charge of all the priests in an area. Priest would take mass every Sunday and teach their congregation how to live a holy life. Not in the hierarchy but still an important part of the Christian church were monks and nuns. They lived in monasteries and would help their local community.

## Importance of the Catholic Church

## Religious

- The church was important in teaching people how to look after their soul. so they would go to heaven and not hell in the afterlife.
- Medieval people would go to mass every Sunday and make sure that they confessed their sins. They would also pay a tithe to the church to make sure they did not upset God.


## Legal

- The church was very important in medieval society because it was seen as the court. Suspects would be tried and God would be seen as the judge.
- Trial by ordeal saw a suspect go through an unpleasant experience to see if he was either innocent or guilty. Trial by Fire, Trial by Water and Trial by combat were all types of ordeal.
- The Church could also try moral crimes such as cheating on your partner or gambling. The church courts could punish those found guilty of crimes with public penance - this meant standing in the church dressed only in your underwear, holding a lit candle.


## Community

- The church was important because it gave medieval society a sense of community and belonging. It would ring the bells to let people know the time of the day. It provided medieval society with holidays 'holy days'.
- The Church encouraged rich people to help the poor so they could spend less time in purgatory. Money used in this way was called alms. Some built alms-houses for poor people to live in.
- Medieval people's lives revolved around the church. It was a key factor in people's lives it is where they would get baptised/ married and their last rights said.


## Health

- Monks and nuns had a duty to provide care for the sick and terminally ill. They would grow herbs and spices in the monastery to be sold as medicine for their local community.


## Education

- If the priest could read and write, he might have taught some Latin to a few villagers. Children from richer families might have been taught by monks in monasteries.
- Universities were controlled by the church and so to were the books and knowledge. It was the church that decided what knowledge got passed down.

| Key Terms : |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Alms | Money donated to the Church by the rich to help the poor | Mass | The main religious service given on Sunday that parishioners were expected to attend | 7. Who came up with the Theory of the Four Humours | Hippocrates |
| Archbishop | The most powerful religious figure in a particular country. The Archbishop in England sits in Canterbury. | Monastery | A building housing a religious order of monks or nuns | 8. Who did the church say caused disease? | God as a punishment or test of faith |
| Afterlife | Where medieval people thought they went for eternity after death | Monks/Nuns | Men and women that dedicates their entire life to God and lives in a monastery | 9. Who were under a religious duty to care for the sick and terminally ill? | Monks and Nuns |
| Bishop | A senior member of the clergy. In charge of a particular area (diocese) gives orders to priests. | Pilgrimage | A religious journey, typically taken to a site of religious importance | 10. What were the paintings called that represented the Day of Judgment? | Doom Paintings |
| Black Death | A pandemic that killed $1 / 3$ of Britain's population. Spread by infected fleas carried on rats. | Priest | A member of the clergy that would take Sunday Mass and perform certain rites i.e marriage, baptism and last rites. |  |  |
|  |  |  |  | 11. Which place between heaven and hell did medieval people believe they would go in the afterlife? | Purgatory |
| Chivalry | A religious, moral and social code that knights lived by | Purgatory | A stage before Heaven, where the dead are removed of their remaining sins |  |  |
| Christendom | All the Christian countries together (both the Roman Catholic and the Eastern Orthodox) |  |  | 12.In what language was Mass told? | Latin |
|  |  | Tithe | A Church tax of $10 \%$ on a person's earnings |  |  |
| Clergy | Officials of the Church who were led by the Pope | Knowledge Outcomes: |  | 13.Who called for the First Crusade? | Pope Urban II |
|  |  |  |  |  | 14.Why was the Crusades called? | To recapture Jerusalem from the Seljuk Turks who had seized control of the Holy Land and were attacking Christian Pilgrims |
| Crusades | A religious war fought in the medieval ages between Christians and Muslims for control of the Holy Land (Jerusalem) | 1.What religion was England? | Roman Catholic |  |  |  |
| Doom Paintings | A painting showing people being sent to Heaven or Hell on the Day of Judgment | 2. Who is the head of the Christian church in the West? | Pope in Rome | 15. Why was Jerusalem holy to the Christians? | Jesus died and was resurrected in Jerusalem and the Church of the Holy Sepulchre was built on the site of the resurrection |  |
| Excommunication | The power of the Pope to expel someone from the Church | 3. Who is the head of the church in England? | Archbishop of Canterbury |  |  |  |
| Heaven | A place regarded in Christianity as the realm of God and the angels. It is where you go if you have lived a good and holy life. | 4.What observance were ordinary parishioners ex- | Mass | 16. What motivated the poor to Crusade? | Land/ Wealth/ secure place in heaven |  |
| Hell | A place regarded in Christianity as the realm of the devil and demons. It is where you go if you | Sunday? |  | 17.How did Europeans benefit economically from the Crusades? | By trading in goods from the East, including lemons, dates and olive oil |  |
|  | have lived an unholy lit | 5. Why did people go on pilgrimage? | To be forgiven of sin; or cured of disease; or to receive good fortune |  |  |  |
| Hue and Cry | A Loud cry calling for the pursuit and capture of a criminal. |  |  | 18. Who was the famous Christian crusader general? | Richard the Lionheart |  |
| Jerusalem | The Holy City, for both Muslims and Christians, conquered by Muslims in 638 | 6. What was the name of a $10 \%$ tax on income paid to the church? | Tithe | 19. Who was the Famous Islamic crusader general ? | Saladin |  |

## MATHS

## Maths 应 hegartymaths <br> http://www.hegartymaths.com <br> Year 7 Cycle 2

| Fractions as Part of a Whole |  |  |
| :--- | :--- | :---: |
| Equivalent fractions | You must multiply or divide the numerator and denominator by the same <br> number. | $\frac{1}{2} \times 3=3$$=\frac{3}{6}$ |
| Simplify fractions | Divide both the numerator and the denominator by the highest common <br> factor. | $\frac{18}{24} \div 6=\frac{3}{4}$ |


| Fractions as a Value ( $+1-$ ) |  |  |
| :---: | :---: | :---: |
| Adding/subtracting fractions | You must have a common denominator. <br> Find the LCM of the denominators. <br> Use equivalent fractions to change each fraction to the common denominator. <br> Add or subtract the numerators and keep the denominators the same. | $\frac{2}{3}-\frac{1}{5}$ <br> LCM of 3 and 5 is 15 $\begin{gathered} \frac{2}{3} \times 5=\frac{10}{15} \text { and } \frac{1}{5} \times 3 \times 3=\frac{3}{15} \\ \text { So, } \begin{array}{r} \frac{10}{15}-\frac{3}{15}=\frac{10-3}{15} \\ =\frac{7}{15} \end{array} \end{gathered}$ |


| Fractions as a Value (Comparing) |  | Fractions as an Operation |  |
| :--- | :--- | :--- | :--- |
| Comparing <br> fractions | You must have a common denominator. <br> Then you can compare the numerators. <br> Ascending means smallest to largest. <br> Descending means largest to smallest. | Finding <br> fractions of <br> amounts | Divide the value by the <br> denominator. <br> Multiply the answer by the <br> numerator. |

## Fractions as a Value ( $+1-$ )

Adding/subtracting fractions

You must have a common denominator. Find the LCM of the denominators.
Use equivalent fractions to change each fraction to the Add or subtract the numerators and keep the denominators the same.

## Converting

| Converting |  |
| :--- | :--- |
| Mixed numbers to improper <br> fractions | Multiply the denominator by the integer. Add the numerator to the answer. This is your new numerator. The denominator stays the same. |
| Improper fractions to mixed <br> numbers | 29 |

MATHS


MUSIC

## Keywords

| Dynamics | Symbol | Definition |
| :--- | :---: | :--- |
| Fortissimo | $\boldsymbol{f f}$ | Very Loud |
| Forte | $\boldsymbol{f}$ | Loud |
| Mezzoforte | $\boldsymbol{m f}$ | Moderately Loud |
| Mezzopiano | $\boldsymbol{m \rho}$ | Moderately Quiet |
| Piano | $\boldsymbol{\rho}$ | Quiet |
| Pianissimo | Very Quiet |  |
| Crescendo |  | Becoming <br> gradually louder |
| Decrescendo | Becoming <br> gradually quieter |  |


| Tempo | Definition |
| :---: | :--- |
| Lento | Slowly |
| Largo | Slow and stately |
| Adagio | Leisurely |
| Andante | At a walking pace |
| Allegro | Fast |
| Vivace | Lively |
| Presto | Very Quickly |

## Musical Instrument Families

| Woodwind | Brass |
| :--- | :--- |
| Flute <br> Clarinet | Trumpet <br> French horn |
| Oboe <br> Saxophone <br> Bassoon | Trombone <br> Tuba |
| Strings | Percussion |
| Violin | Timpani <br> Piano <br> Viola <br> Cello <br> Double Bass |

## Spellings to Learn in Music

## Rhythm Rehearsal Guitar

## Stretch and Challenge

Listen to the following piece of music. Would you be able to identify each instrument of the orchestra if you heard
it again?
'Peter and the Wolf' by Prokofiev https://www.youtube.com/watch?v=9u

eGfjBKbiE


## PHYSICAL EDUCATION

## Components of Fitness

1 Balance - the ability to maintain centre of mass over a base of support. There are two types of balance: static balance and dynamic balance.

2 Coordination - the smooth flow of movement needed to perform a motor task efficiently and accurately

3 Reaction Time - the time taken for a sports performer to respond to a stimulus.
$4 \quad$ Agility - the ability of a sports performer to quickly and precisely move or change direction without losing balance or time

5 Power - the product of strength and speed. Expressed as the work done in a unit of time.

6 Muscular Strength - the maximum force (in kg or N ) that can be generated by a muscle or muscle group.
$7 \quad$ Speed - distance divided by the time taken. Speed is measured in metres per second ( $\mathrm{m} / \mathrm{s}$ ).
$8 \quad$ Flexibility - the ability to move a joint fluidly through its complete range of movement.

Aerobic Endurance - the ability of the cardiorespiratory system to work efficiently, supplying nutrients and oxygen to working muscles during sustained physical activity.

10 Muscular Endurance - the ability of the muscular system to work efficiently, where a muscle can continue contracting over a period of time against a light to moderate fixed resistance load.

What KPls will I be assessed in?

| 1 | Controlled Skills | 6 | Being a Role Model |
| :---: | :---: | :---: | :---: |
| 2 | Tactical Thinking | 7 | Personal Fitness |
| 3 | Feedback | 8 | Use of Warm Ups/Cool Downs |
| 4 | Leadership | 9 | Active, Healthy Living |
| 5 | Applying Tactics |  |  |

## What sports will I be assessed in?

## Fundamental Skils

1 Invasion
Net and Wall

Football, Hockey, Handball, Basketball, Rugby, Netball

Badminton, Tennis, Volleyball

Gymnastics and Trampolining
Rounders, Stoolball, Softball, Cricket
Long Jump, High Jump, Shotput,
Discus, Javelin, Long Distance, Short Distance, Relay
Front Crawl, Backstroke, Breast
Stroke, Butterfly, Personal Survival

Throwing, Catching, Passing, Dribbling, Tackling, Shooting Attacking shots, Defensive shots, Serving
Balance, Travel, Vaulting, Landing, Timing, Rotation, Aesthetics
Striking, Throwing, Catching, Long Barrier, Decision Making

Running, Jumping, Throwing, Pacing Streamlining, Breathing, Technique


## Tools and Equipment <br> If you are unsure, ask about the use first!

Coping Saw for cutting curved lines in thin material with a thin blade. The blade can be rotated by undoing the handle first.


Tenon Saw for cutting straight vertical cuts. The depth of the cut is restricted by the brass spine. You must stretch the index finger out when using this saw to steady it and get a more accurate cut. Start cutting on a corner, drawing back several times.

Bevel Edge Chisel for removing wood. Always chisel away from yourself. Use only for cutting wood - they must be razor sharp!

Steel Rule Measuring with accuracy up to $1 / 2 \mathrm{~mm}$ depending on your eyes! It starts at zero on the end, unlike a ruler that has material on the end first. Make sure that you look at the measurements from above to get an accurate reading. You also need a sharp pencil!

Bench Hook and Clamp Use the bench hook to help cut wood with accuracy. Top tip - always cut all the way through your work into the bench hook to avoid splintering the back of your work.

Squares: 45 degree and 90 degree Take care of these - your work accuracy depends on them being accurate! You must keep the stock (wooden bit) tight against your work and your pencil must be sharp!

Soldering Iron These are used to join electrical items such as wire, remember to take care because these are very hot, be sensible, use a stand. Apply heat to the whole area to be soldered before putting the solder wire onto the joint.

## Pillar Drill

 been shown how to by a teacher and you Always ask if you are unsure.Fret saw for cutting curved lines in thin material with a thin blade. Always keep your fingers clear. Make sure the guard is intact. Cut slowly. Use the clamp to stop wood rattling about.

We use this for drilling vertical holes in material. Almost always you will clamp your work down first. Wear glasses, use the guard and know how to turn it off in an emergency. Do not use if you are unsure - ask!

## Rendering

Surface facing directly towards light = lightest tone
Surfaces facing directly away from light = darkest tone


| Good points and |
| :---: |
| bad points |
| What |
| materials will size and dimension |
| be used and |
| why? |
| What is the purpose |
| of the product? Is |
| this an effective |
| product? |

How could it be boing to use?
made? is the
environmental
product?

## Project Materials

MDF (Medium Density Fibre Board) - a product made of recycled wood dust

Solder - a thin strip of metal used to help stick electronic components together

Switch - a component that allows electricity to go through a circuit

Battery snap - a component that lets you connect a battery to the circuit

Connector block - a component that lets you connect wires together

Wire - red wire is positive, black wire is negative
Measuring
Length: measured using a steel rule or ruler. For small measurements we use mm , then cm and m for larger ones.
Angles: measured using a protractor and using degrees. A right angle $=90^{\circ}$. There are $360^{\circ}$ in a circle.

Examples: line measuring below - use a ruler and ask someone to check your answer. Give the answer in mm and cm

1) $\qquad$
2) 

3).

Examples:
Angle measuring - use a protractor to measure these angles and ask someone to check for you.

Area: the two-dimensional space taken up by something - for example, the area of a sheet of material like card. Measured in either $\mathrm{cm}^{2}$ or $\mathrm{m}^{2}$ for larger problems.

Area of a rectangle $=$ width $\times$ length

length
Examples - rectangle area

1) If the width of a piece of fabric is 10 cm and its length is 15 cm , what is its area in $\mathrm{cm}^{2}$ ?
2) Width $=12 \mathrm{~cm}$, length $=32 \mathrm{~cm}$, what is the area?
3) Width $=3 \mathrm{~m}$, length $=8 \mathrm{~m}$, what is the area in $\mathrm{m}^{2}$ ?

Answers below.


## Examples - circle area

1) If the radius of a piece of metal is 5 cm , what is its area in $\mathrm{cm}^{2}$ ?
2) Radius is 3 cm , what is the area?
3) Radius is 9.5 cm , what is the area?
4) Diameter is 12 cm , what is the radius?

Answers below


Harder Example - combined area problem
This is plan for a carpet for a room. The circular part will be removed for a special floor. How much is the actual carpet area now?
Extension question - if the carpet costs $£ 12$ per $m$ squared, how much will this cost? Answers below.

## The easiest way to remember these is to ask someone to set you more questions!



$$
\begin{aligned}
& \text { :डлəMsū }
\end{aligned}
$$

## RELIGIOUS EDUCATION (JEWISH bellefs ANd PRActices)

| Keyword | Definition |
| :--- | :--- |
| Chosen people | Jewish belief that G-d chose them for his own. |
| Covenant | A promise, testament or agreement. |
| Dietary laws | The food laws given by G-d to the Jews. |
| Eternal | Beyond time and space and without end. |
| Exodus | The departure of the Israelites (Jews) from Egypt. |
| Israel | Jewish homeland promised to them by G-d. |
| Justice | Fairness and fighting for people's rights. |
| Kashrut | The name for the Jewish law that states that foods can and cannot be <br> eaten and how those foods must be prepared. |
| Kosher | Food that is 'clean' and meets the requirements of the Jewish laws. |
| Obedience | Following rules. |
| Omnibenevolent | G-d is all-loving. |
| Omnipotent | G-d is all-powerful. |
| Omnipresent | G-d is always there. |
| Omniscient | G-d is all-knowing. |
| Orthodox | Following traditional practices, rituals and beliefs. |
| Prophet | A person regarded as an inspired teacher or proclaimer of the will of G-d. |
| Reform | Jews who have changed certain practices to adapt to modern society. |
| Responsibility | Being trusted and accepting consequences. |
| Ritual | A religious ceremony observed by believers. |
| Rosh Hashanah | The Jewish new year. |
| Shema | The central prayer in Judaism. |
| Synagogue | The Jewish place of worship. |
| Torah | Jewish Holy scripture, part of the written law. |
| Trefah | Literally means 'torn' - forbidden food. |
| Trust | Faith in another person. |
| The day of Atonement; day of fasting on the tenth day after Rosh |  |
| Hashanah. |  |

$\left.\begin{array}{|l|l|}\hline \text { Prophets } & \text { Explanation of this Prophet's Life } \\ \hline \text { Adam } & \begin{array}{l}\text { First man on Earth. Eve was made from Adam's rib. } \\ \text { Eve tempted Adam to eat from the forbidden tree } \\ \text { of knowledge. This disobedience cause original sin } \\ \text { to come upon all of humanity. }\end{array} \\ \hline \text { Noah } & \begin{array}{l}\text { Society had become dangerous and many people } \\ \text { had turned away from G-d. G-d spoke to Noah and } \\ \text { asked him to build an ark as G-d wanted to create a } \\ \text { great flood to remove all sin and evil from the } \\ \text { world. Two of each animal and Noah's family survive } \\ \text { the flood. Noah was given new rules in order to } \\ \text { keep society in order, such as 'do not worship idols'. }\end{array} \\ \hline \text { Abraham } & \begin{array}{l}\text { The founder of Judaism and often called 'father } \\ \text { Abraham' or 'father of the Jews'. G-d created a } \\ \text { covenant between himself and Abraham and stated }\end{array} \\ \text { 'you will be a father of a great nation, if you walk in } \\ \text { my ways'. Abraham left his home town to find the } \\ \text { promised land and G-d rewarded his obedience by } \\ \text { enabling Abraham and Sarah to conceive (have } \\ \text { children) even though Abraham was 100 years old. }\end{array}\right\}$

## CHALLENGE

Go to the links below and extend your knowledge on Jewish beliefs and practices.

- http://www.bbc.co.uk/religion/religions/judaism/
- https://www.bbc.com/bitesize/topics/ztrqxnb

| Themes | Beliefs |
| :--- | :--- |
| G-d | Jews are monotheists, which means <br> they only believe in one G-d who is <br> omnipotent (all powerful), <br> omniscient (all knowing) and <br> omnibenevolent (all loving). |
| Covenant | Judaism says that the Jews entered a <br> special relationship with G-d, <br> whereby G-d promised to teach Jews <br> how to live, and Jews are to worship <br> one true G-d and obey his <br> commandments. |
| Ten <br> Commandments | The fundamental set of rules to guide <br> Jews, revealed by G-d to Moses on <br> Mount Sinai. |
| Free Will | The belief that G-d created humans <br> with the ability to do good and bad to <br> test them on whether they choose to <br> worship him or not. |
| Orthodox Jews | Orthodox Jews follow the Torah <br> literally including all the mitzvot <br> (commandments) as these were <br> given to Moses from G-d. Orthodox <br> Jews observe mitzvot by not working <br> on the Sabbath, men wear the <br> Kippah at all times and men and <br> women sit separately during worship. |
| Reform Jews | Reform Jews believe that the Torah <br> must be made relevant to today so <br> women alongside men can wear the <br> Kippah and men and women can sit <br> together during worship. Reform <br> Jews might set aside some teachings <br> if these are not relevant to today's <br> society. |


| Themes | Practices |
| :--- | :--- |
| Shabbat | Shabbat is the Jewish Sabbath, which <br> occurs Friday night until Saturday night. <br> As the Torah states to 'Keep the Sabbath <br> holy', Jews tend to not work during this <br> holy day as Shabbat means 'stopping' and <br> Jews set the time aside for G-d. At the <br> arrival of Shabbat, a prayer is said and <br> Jews remember G-d's creation of the <br> world whereby he rested on the seventh <br> day as well as the Israelites escape from <br> slavery. |
| Kashrut | Jews are only able to eat kosher foods: <br> foods that are permitted and prepared <br> under Jewish law. Jews are allowed to eat <br> any animals that chew the cud and have <br> split hooves, e.g. cows, and any fish with <br> fins, e.g. haddock. <br> Any foods that do not fit this category are <br> trefah - not permitted. Food must also be <br> prepared under Jewish law. Jews are also <br> not able to eat dairy and meat together <br> and often have separate facilities for this, <br> e.g. two sinks, two fridges, two sets of <br> plates and cutlery. |
| Passover | A religious coming of age ceremony that <br> Jewish children observe at the age of 12, <br> for girls and 13, for boys. Represents the <br> time after which the 613 mitzvot <br> (commandments) are to be followed. |
| Mitzvah | A religious festival where Jews remember <br> how the Israelites left slavery when Moses <br> led them out of Egypt 3000 years ago. |



Seder plate

## SCIENCE (7br siloocy - reproduction and varlation)

| 1. The Female Reproductive System |  |  |
| :--- | :--- | :--- |
|  | Part | Function |
| A | Oviduct <br> (Fallopian tube) | To transport eggs from the ovary |
| B | Ovary | Production of eggs |
| C | Uterus (womb) | Where the baby develops |
| D | Bladder | Where urine is stored |
| E | Cervix | Entrance to uterus <br> Holds baby in place |
| F | Vagina | Where penis enters during sexual intercourse |
| G | Urethra | Tube that carries urine |

2. The Male Reproductive System

|  | Part | Function |
| :--- | :--- | :--- |
| A | Bladder | Where urine is stored |
| B | Glands | Excrete fluid that the sperm travel in |
| C | Penis | Enters the vagina during sexual intercourse |
| D | Sperm duct | The tubes along which sperm travel |
| E | Urethra | Tube that carries urine |
| F | Testis | Produce sperm |
| G | Foreskin | The retractable roll of skin covering the end of the penis |
| H | Scrotum | Skin covering testis, keeping them below body temp |



## SCIENCE (7br biolocy - reproduction and variation)



| 5. The Menstrual Cycle |  |  |  |
| :--- | :--- | :--- | :--- |
| No. | Day | Process | Reason |
| 1. | $1-4$ | Menstruation <br> : lining is lost, <br> woman has a <br> period | To remove the <br> old unused <br> lining |
| 2. | $4-14$ | Uterus lining <br> builds up | To prepare for <br> a possible <br> pregnancy |
| 3. | 14 | Ovulation | To create a <br> new baby |
| 4. | $14-28$ | Uterus lining <br> maintained | In case the egg <br> is fertilised |



## SCIENCE (78R biolocy - reproduction and varlation)



## 6. Plant Reproductive Organs

| No. | Keyword | Meaning |
| :--- | :--- | :--- |
|  | Pollen | The plant equivalent of sperm |
| 1. | Stamen | Male reproductive organ. Contains the pollen <br> on the anther |
| 2. | Ovule | The plant equivalent of the egg cell |
| 3. | Petal | Brightly coloured parts that draw attention to <br> the stamen and stigma |
| 4. | Sepal | Protective layer covering the flower while it <br> develops |
| 5. | Stigma | When the pollen grain lands to fertilise the <br> ovule |
| 6. | Style | Connects the stigma to the ovary |
| 7. | Ovary | Where the ovules are stored. Where the seed <br> grows |

## 7. Seed Dispersal



| 8. Variation Keywords |  |
| :---: | :---: |
| Keyword | Meaning |
| Variation | Differences between things |
| Species | A group of living things that have similar characteristics. They can breed together to produce offspring that can have children |
| Characteristics | A quality that allows you to separate things |
| Gene | A section of DNA that gives the instructions for a characteristic |
| DNA | A long chemical in every cell that gives the instruction to make a living thing |
| Inherited variation | Differences within the same species caused by children inheriting different genes from their parents |
| Environmental variation | Difference within the same species caused by the environment |
| Clone | Two living things with identical genes |
| Identical twins | Formed from one embryo dividing into two. They have identical genes but show environmental variation |
| Non-identical twins | Formed from two egg cells being fertilised by two different sperm. They are equivalent to brothers and sisters |

1. 


2.


## 9. Drawing Variation

| No. | Type of variation | Cause |
| :--- | :--- | :--- |
| 1. | Continuous | Inherited and environmental |
| 2. | Discontinuous | Inherited only |

## SCIENCE (7CC CHEMISTRY - CHEMICAL REACTIONS)

| Word Equations |  |  |
| :--- | :---: | :---: |
| Keyword |  |  |
| Word equations |  |  |
| Reactants |  |  |
| Show the names of all the <br> chemicals involved in a reaction |  |  |
| The chemical(s) at the start of a |  |  |
| chemical reaction |  |  |

## 3. pH Scale and Neutralisation

| Keyword | Meaning |
| :--- | :--- |
| Acidic | A solution with a pH less than 7. The <br> lower the number the stronger the acid |
| Neutral | A solution with a pH of 7 |
| Base | Reacts with an acid to for a salt and <br> water |
| Alkali | A base that dissolves in water to give a <br> solution with a pH greater than 7. The <br> higher the number the stronger the <br> alkali |
| pH scale | A measure of how acidic or alkaline a <br> substance is |
| Neutralisation | A chemical reaction that produces a salt <br> and has a pH of 7 |
| Oxidation | A chemical reaction where a substance <br> reacts with oxygen |

## 4. Naming Salts

| Acid used | Second part of the salt's name |
| :--- | :--- |
| Hydrochloric acid | chloride |
| Sulfuric acid | sulfate |
| Nitric acid | nitrate |

## SCIENCE (tpe fhysics - forces And motion)

## 1. Forces Keywords

| Keyword | Meaning |
| :--- | :--- |
| Force | Something that makes a change <br> happen |
| Contact force | Can only act when two things <br> touch |
| Non-contact force | Can act on things not touching |
| Balanced (forces) | When forces are equal and <br> opposite each other also called <br> equilibrium |
| Unbalanced (forces) | When opposing forces are not <br> equal to each other |
| Resultant (force) | The overall force once all the <br> forces are considered |
| Force arrows | Show direction and size of a <br> force |
| Opposing forces | Forces working in opposite <br> directions |
| Weight | The amount gravity pulls an <br> object down |
| Pressure | Force shared or an area |
| Newton | Units that force is measured in |



Reaction of the

## 2. Types of Force

| Force | Between | Contact or non- <br> contact | Example |
| :--- | :--- | :--- | :--- |
| Friction | Two moving surfaces | Contact | Brakes |
| Upthrust | An object and water | Contact | Boat |
| Reaction | Two stationary objects | Contact | Book on shelf |
| Air resistance | A moving object and air | Contact | Plane |
| Gravity | Two masses | Non-contact | You and the Earth |
| Magnetic | Magnets and magnetic <br> materials | Non-contact | Magnet picking up a <br> nail |

## SCIENCE (TPF PHYsICs - - orices AND motion)



| 3. Motion Keywords |  |  |
| :--- | :--- | :--- |
| Keyword | Meaning | Position on <br> distance time <br> graph |
| Accelerate | Speeding up | 1 |
| Decelerate | Slowing down | 2 |
| Constant speed | Staying the same <br> speed | 3 |
| Stationary | Not moving | 4 |
| Speed | Distance covered in <br> a certain time | The steepness of <br> the line |


| 4. Calculating Weight |  |  |  |
| :---: | :---: | :--- | :---: |
| Symbol | Name | Calculated by... |  |
| $w$ | weight (N) | $=$ mass $\times$ gravity |  |
| $m$ | mass (kg) | $=$ weight $\div$ gravity |  |
| $g$ | gravitational <br> field strength | $=$ weight $\div$ mass |  |
| On Earth $\mathrm{g}=10 \mathrm{~N} / \mathrm{kg}$ |  |  |  |



| 5. Calculating Speed |  |  |
| :---: | :--- | :--- |
| Symbol Name <br> $d$ distance $(\mathrm{m})$$=$ speed $\times$ time |  |  |
| $s$ | speed $(\mathrm{m} / \mathrm{s})$ | $=$ distance $\div$ time |
| $t$ | time $(\mathrm{s})$ | $=$ distance $\div$ speed |

6. Calculating Pressure

| Symbol | Name | Calculated by... |
| :---: | :---: | :---: |
| $F$ | force (N) | $=$ pressure $\times$ area |
| $p$ | pressure <br> $\left(\mathrm{N} / \mathrm{cm}^{2}\right)$ | $=$ force $\div$ area |
| $a$ | area $\left(\mathrm{cm}^{2}\right)$ | $=$ force $\div$ pressure |

## LEARN KEY WORDS

## SPANISH (SPRING TERM 1)

Vocab Set 1 - describing your school

| 1) grande | big |
| :--- | :--- |
| 2) pequeño | small |
| 3) nuevo | new |
| 4) antiguo | old |
| 5) feo | ugly |
| 6) atractivo | attractive |
| 7) moderno | modern |
| 8) limpio | clean |
| 9) sucio | dirty |
| 10) impresionante | impressive |

10) impresionante

| Vocab Set 2 |  |
| :--- | :--- |
|  | school subjects |
| 1) el dibujo | art |
| 2) la historia | history |
| 3) el español | Spanish |
| 4) el inglés | English |
| 5) la tecnología | technology |
| 6) la informática | computer science |
| 7) la educación física | PE |
| 8) las ciencias | sciences |
| 9) las matemáticas | maths |
| 10) Aprendo | I learn / I am learning |

## Vocab Set 3 - opinions and reasons

| 1) Mi asignatura <br> favorita es... | My favourite <br> subject is.... |
| :--- | :--- |
| 2) Me encanta estudiar | I love studying |
| 3) Odio estudiar | I hate studying |
| 4) porque es | because it is |$|$| creative |
| :---: |
| 5) creativo |
| 6) prático |
| 7) fácil |
| 8) dificil |
| easy |
| útil |
| 10) inútil |

Model Answer - describe your school, what do you think of the subjects that you study?, what is your uniform like?
Mi instituo, que se llama My school, which is called The The Regis School, es grande y moderno. Estudio muchas asignaturas.

Regis School, is big and modern.

I study a lot of subjects.
Pero lo mejor es la educación física

Me encanta la educación física porque es práctico Pero odio las matemáticas porque son dificiles. En mi opinión, me encanta el uniforme porque es muy elegante.
Llevamos una chaqueta negra, una camisa blanca y unos pantalones negros.
El edificio es nuevo
Hay muchas aulas y un campo de fútbol impresionante
Además, hay una gran biblioteca.
pero, ísería mejor si
hubiera una piscina al aire
libre!
¿y tú? Describe tu insti.

## BUILD PARAGRAPHS

| Vocab Set 4 |  |
| :--- | :--- |
| 1) uniform <br> negros | Black trousers |
| 2) unas medias negras | Black tights |
| 3) una falda negra | A black skirt |
| 4) una corbata | A tie |
| 5) una camisa blanca | A white shirt |
| 6) una chaqueta negra | A black jacket |
| 7) Ilevo | I wear |
| 8) Ilevamos | We wear |
| 9) tengo que llevar | I have to wear |
| 10) temenos que llevar | We have to wear |

## Vocab Set 5 - school facilities

| 1) una biblioteca | A library |
| :--- | :--- |
| 2) un laboratorio | A science lab |
| 3) los ordenadores | computers |
| 4) una piscina | A swimming pool |
| 5) un gimnasio | A sports hall |
| 6) un campo de fútbol | A football pitch |
| 7) un patio | A playground |
| 8) unas aulas | Some classrooms |
| 9) un comedor | A canteen |
| 10) las instalaciones | The facilities |

## AIM HIGH PHRASES

1) Que se llama.. Who/that is called...
2) Hay que ser honesto/a..
3) Para que pueda.. So you can..
4) Sería mejor si It would be better if hubiera... there was...
5) Lo que me gusta es.. What I like is...

| Vocab Set 1-(revision) describing |  |
| :--- | :--- |
| someone |  |

## Vocab Set 3 - housework/pocket money

| 1) Ayudo en casa | I help at home |
| :--- | :--- |
| 2) cocino | I cook |
| 3) lavo los platos | I wash the dishes |
| 4) limpio | I clean |
| 5) paseo al perro | I walk the dog |
| 6) pongo la mesa | I set the table |
| 7) quito la mesa | I clear the table |
| 8) gano.......libras | I earn.........pounds |
| 9) a la semana | weekly |
| 10) íNo gano nada! | I don't earn anything! |

Model Answer - describe your teachers, what do you do to help around the house, what would you like to do when you're older?

Hay 60 profes en el insti.
Pero la mejor es Señora García.

Tiene el pelo corto y rubio y los ojos marrones.
Es muy paciente y simpática.
Me inspira mucho aprender el español. En casa, ayudo a mi padre.
Por ejemplo, limpio a
veces
y cada día paseo al perro.
Pero, íno gano nada!

Algún día, me gustaría ser
profe de música, o médica
como mi madre.
Porque soy muy
inteligente y trabajador
¿y tú? ¿Qué planes tienes para el futuro?

There are 60 teachers at school.

But the best one is called Mrs García.
She has short blonde hair and brown eyes.

She is very talented and nice.
So she inspires me to learn Spanish.

At home, I help my Dad. For example, I clean sometimes. and every day I take the dog for a walk.

But, I don't earn anything!
One day I would like to become ...
a music teacher or a doctor like my mum.

Because I am very intelligent and hardworking.

And you? Do you have plans for the future?

| Vocab Set 4 - future iobs |  |
| :--- | :--- |
| 1) Me gustaría ser | I would like to <br> become a... |
| 2) profesor/a | teacher |
| 3) constuctor/a | builder |
| 4) peluquero/a | hairdresser |
| 5) abogado/a | lawyer |
| 6) bombero/a | firefighter |
| 7) mecánico/a | mechanic |
| 8) médico/a | doctor |
| 9) enfermero/a | nurse |
| 10) azafato/a | flight attendant |


| Vocab Set 5-personality for jobs |  |
| :--- | :--- |
| 1) Soy | I am... |
| 2) No soy | I am not... |
| 3) trabajador/a | hard-working |
| 4) punctual | punctual (on time) |
| 5) fiable | reliable |
| 6) creativo/a | creative |
| 7) como | like |
| 8) Más inteligente que | more intelligent than |
| 9) Menos perezoso/a <br> que | less lazy than |


| 1) Que se llama.. | Who/that is called... |
| :--- | :--- |
| 2) <br> honesto/a.. | I have to be honest... |
| 3) Para que pueda.. | So you can... |
| 4) Sería mejor si <br> hubiera... | It would be better if <br> there was... |
| 5) Lo que me gusta es.. | What I like is... |

## TEXTILES



TEXTILES (+ мATHS)

'Maths behind the design':
 S/S 10' Dress
Can you combine inspiration found in research to come up with a design for a product? Try the 'Maths behind the design' to demonstrate in a simple way how patterns are combined to form a solution.

## NUMERACY IN

## MANUFACTURE

Measuring:
Tape Measure $1 \mathrm{~m}=100 \mathrm{~cm}=1000 \mathrm{~mm}$

Marking Gauge
Scribes a parallel cutting line
Plastic Ruler
$10 \mathrm{~cm}=100 \mathrm{~mm}$


Steel Rule $1 \mathrm{~cm}=10 \mathrm{~mm}$
Make sure that you start at zero. Measure in mm for better accuracy. Add suggested sizes to initial designs and actual sizes to developments \& final ideas.
Double check all measurements! Use a sharp pencil.

## EVALUATION

Product questionnaire: Ease of use? Appropriate sizes? Value for money? Happy with product? Anthropometrics? Ergonomics? Quality of finish?

$m m$

As we manufacture our products, we find that many changes take place. It is important to analyse data gathered from users of the product in order to figure how successful it is and if any further changes are necessary.

## LINES

What do each of following lines mean


## SHAPES

How to measure different shapes


