## Year 8

1 \& Newsome
Academy
Everyone Exceptional Everyday

## Knowledge Organisers

## Mathematics

Our students will:
$>$ become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
> reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
> can solve problems by applying their mathematics to a variety of routine and non- routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.


## Applied to

8.02 Reflection and rotations
8.19 Interior and exterior angles

9H19 Angles in polygons
10F01 Translation, reflection and rotation
11H. 03 Trigonometric graphs
11H. 03 Trigonometric graphs

[^0] that regular polygons have the same that regular polygons have the same number of lines of symmetry as they have sides.

The order of rotational symmetry is the number of times a shape looks identical to it's starting position during a full 360 degree turn. All shapes have an order of at least 1.


Non-Concept - what it isn't

$X_{\text {Symetry }}^{\text {Vertical Line }} \quad X_{\text {Symmetry }}^{\text {Horizontal Line }}$
For any parallelogram, it is impossible to construct a line
than tasssest throughm the center of t the figure and cuts the
image in half, where each side is a mirro image of the other.


ASYMMETRIC

Standard Examples


Non-Standard Examples


$\square$



The learning outcomes for this topic are: Rotate objects by a multiple of 90 degrees Reflect objects in horizontal or vertical lines

Reflect a shape in $\mathrm{y}=\mathrm{x}$ or $\mathrm{y}=-\mathrm{x}$ Perform a combination of reflections and rotations Describe a rotation

| Key Word |  |
| :--- | :--- |
| Reflect | flip/mirror a shape |
| Rotate | turn/spin a shape |
| Centre | the point which a shape is rotated around |
| Degree | the measurement of an angle, 360 in a full turn, <br> 180 in a half turn and 90 in a quarter turn |
| Clockwise/Anticlockwise | in a circular motion in the same/oppostie <br> direction as clock hands move |
| Origin | the coordinate ( 0,0) |
| Horizontal | sideways/left to right |
| Vertical | up and down |
| Combination | more than one, performed one after another |
| Describe | state the type of transformation and the key <br> features e.g. angle, centre, direction |

Careers Focus - Where could this take you?
Optometrists use reflections and mirrors in their work testing eye-sight and supporting patients with their vision and optical health.

## Additional Resources

周
MathsWatch: G4A, G4B , G6, 48, $\underline{49}$
Corbett Maths: Videos 272, 273, 274, 275; Worksheets 272, 273, 274, 275
Curriculum Links - Coherence
Required Knowledge:
7.09 Graphs of linear equations
7.20 Measuring and drawing angles
8.01 Lines and rotational symmetry

## Applied to

9H. 17 Combining transformations
F. 02 Combinations of transformation

10F. 22 Congruency and similarity
10H. 05 Similar triangles
11H. 07 Graph transformations

## inks across school

Applying Choreographic Skills (Performing Arts)
Pop Art Portraits (Photography)

## Key Concepts

## Using tracing paper

Rotation

- Trace the shape
- Put your pencil on the centre of rotation
- Spin the tracing paper
- Draw the shape in the correct position


## Reflection

- Trace the shape and the mirror line
- Flip the tracing paper
- Match the mirror line back up




## Standard Examples



Describe the single transformation mapping triangle $P Q R$ to $P^{\prime} Q^{\prime} R^{\prime}$.

Rotation (1 mark)
90 degrees anticlockwise (1 mark) Around the centre (0,0) (1 mark)

## Non-Standard Examples



The square ABCD is transformed by a
combined transformation of a reflection in
the line $x=-1$ and a rotation.
Under the combined transformation, tw
vertices of the square are invariant.
Describe fully one possible transformation.
Invariant = stay in the same place.
Would rotate 180 degrees about (-1,2) or (1,4) Reflect objects in horizontal or vertical lines Rotate a shape around a point

(a) Describe fully the single transformation that maps triangle $\mathbf{A}$ onto triangle B .

(b) (i) On the grid, reflect triangle A in the line $\mathrm{x}=0$. Label the image $\mathbf{c}$.


| Key Word | Definition |
| :--- | :--- |
| Simplify | an equivalent fraction with lower numbers |
| Equivalent | two fractions that represent the same proportion |
| Numerator | the top number in a fraction |
| Denominator | the bottom number in a fraction |
| Mixed Number | a whole part and a fraction |
| Improper | a fraction with a larger numerator than denominator |
| Proper | a fraction with a larger denominator than numerator |
| Sum | total / addition |
| Difference | the distance between two numbers / subtraction |
| Simplest Form | when a fraction has no common factor in the <br> numerator and denominator |
| Unit fraction | a fraction with a numerator of 1 |
|  |  |

## Careers Focus - Where could this take you?

Pharmacists use equivalent fractions to decide how much medication to give a person based on their height, weight etc

## Key Concepts

$\frac{24}{36}=\frac{24 \div 3}{36 \div 3}=\frac{8}{12}=\frac{4 \div 4}{12 \div 4}=\frac{2}{3}$

A whole number can be written as $\frac{2}{2}, \frac{3}{3}, \frac{4}{4}$, etc.
So $1 \frac{2}{3}$ can be written as:
$\frac{3}{3}+\frac{2}{3}=\frac{5}{3}$


Curriculum Links - Coherence

| Curriculum Links - Coherence | $\cdots$ |
| :---: | :---: |
| Required Knowledge: <br> - 7.02 Multiplying and dividing integers <br> - 7.18 Simplifying ratios |  |
| Applied to: <br> - 8.04 Adding and subtracting fractions <br> - 8.05 Multiplying and dividing fractions <br> - 97.18 Ratio <br> - 10F. 05 Expectation and outcomes <br> - 10F. 09 Writing a quantity as a percentage of a number <br> - 10F. 22 Similarity <br> - 10 H .05 Similar triangles <br> - 10H. 14 Surds <br> - 11H. 08 Algebraic Fractions |  |
| Links across school: <br> - UK Population Distribution (Geography) |  |

$\frac{17}{5}=\frac{5}{5}+\frac{5}{5}+\frac{5}{5}+\frac{2}{5}=3 \frac{2}{5}$
Another way to convert an improper fraction is to find how many whole numbers you get, by using a division.
For example let's convert $\frac{17}{5}$ to a mixed number again.
We start by dividing the top number by the bottom number
17 divided by 5 is 3 remainder 2 .
So the whole number part is 3 , and the remainder 2 means there are $\frac{2}{5}$ left over.
So the answer is $\frac{17}{5}=3 \frac{2}{5}$


## Non-Concept - what it isn't

You should be multiplying and dividing the fraction, not adding.
$\frac{1}{2}=\frac{2}{3}=\frac{3}{4}=\frac{4}{5}$
Multiply the denominator, not the numerator.

$$
6 \frac{3}{5}=\frac{6 \times 3}{5}=\frac{18}{5}
$$

## Standard Examples

## Non-Standard Examples

Fully simplify $\frac{4 a}{12 a}$

$$
\frac{4 a \div a}{12 a \div a}=\frac{4}{12}=\frac{4 \div 4}{12 \div 34}=\frac{1}{3}
$$

Which fraction is bigger, $\frac{3}{5}$ or $\frac{4}{7}$

$$
\begin{gathered}
\frac{3 \times 7}{5 \times 7}=\frac{21}{35} \quad \frac{4 \times 5}{7 \times 5}=\frac{20}{35} \\
\frac{3}{5} \text { is bigger. }
\end{gathered}
$$

Find a fraction between, $\frac{3}{5}$ and $\frac{4}{7}$
$\frac{3 \times 7}{5 \times 7}=\frac{21}{35} \quad \frac{4 \times 5}{7 \times 5}=\frac{20}{35}$

$$
\frac{20.5}{35}=\frac{41}{70} \text { or } \frac{205}{350}
$$

| Useful Formulae and Hints |
| :--- |
|  |
| Find the lowest common multiple of |
| the two denominators to find a |
| common denominator | the two denominators to find a common denominator

You can match the numerators to a common numerator if you are just trying to compare fractions. E.g. $4 / 7<6 / 7$ and $24 / 42<24 / 28$

The larger the numerator the larger the size of the fraction (if the denominators are the same).
The smaller the denominator the larger the size of the fraction (if the larger the size of the fraction numerators are the same).

Don't forget to try factors other than 2 Don't forget to try factors other than 2
when simplifying fractions. It's a good when simplifying fractions. lo a good
idea to work through the lowest prime numbers, checking if $2,3,5,7$ or 11 are factors.

Fractions should not have decimals on their numerator or denominator. Find their numerator or denominator. Find an equivalent fract
(whole numbers).

Additional Resources $\left\{\begin{array}{l}\text { 風 }\end{array}\right.$ MathsWatch: N23B, N23C, N34, 25, 26, $\underline{70}$
Corbett Maths: Video 135, 139, 140, $\underline{144}, \underline{146}$; Worksheet $\underline{135}, \underline{139 / 140}$, $\underline{144}, \underline{146}$

GCSE Questions

(b) The fraction $\frac{n}{16}$ is between $\frac{1}{4}$ and $\frac{1}{2}$, Write down all the possible values of $n$.
(b)
[2]

## 3 (a) Complete each statement.

(i) $\frac{3}{7}=\frac{\ldots \ldots}{28}$
(ii) $4 \frac{1}{2}=\frac{\ldots \ldots}{2}$
(a) Complete each statement by writing the missing value in the box
(i) $\frac{1}{3}=\frac{2}{\square}$
(ii) $1 \frac{1}{7}=\frac{\square}{7}$

3 Complete each statement by writing the missing value in the box.
(a) $\frac{2}{5}=\frac{4}{\square}$
(b) $2 \frac{1}{3}=\frac{\square}{3}$

11 (a) Liu has a bag only containing red grapes and green grapes.
$\frac{4}{9}$ of the grapes are red.

If there are 8 red grapes in the bag, how many grapes are green?
(a)
[3]
(b) Sophia has a different bag only containing red grapes and green grapes

The number of grapes in her bag is different, but $\frac{4}{9}$ of the grapes are also red. She picks out a red grape from her bag and eats it.
$\frac{3}{7}$ of the remaining grapes in her bag are red.
How many of the remaining grapes in her bag are red and how many are green?
(b)
..................................... red grapes
................................... green grapes [2]

[^1]| Key Word | $\quad$ Definition |
| :--- | :--- |
| Numerator | the top number in a fraction |
| Denominator | the bottom number in a fraction |
| Sum | total / addition |
| Difference | the distance between two numbers / subtraction |
| LCM | lowest common multiple - the smallest number <br> that is a multiple of two numbers |
| Mixed Number | a whole part and a fraction |
| Improper | a fraction with a larger numerator than <br> denominator |

Careers Focus - Where could this take you?
Chemists frequently work with fractions when forming different compounds and solutions.
forming different compounds and solutions.


$$
\begin{aligned}
& 3 \frac{2}{3}-1 \frac{4}{5}=\frac{11}{3}-\frac{9}{5} \\
& \quad=\frac{55}{15}-\frac{27}{15}=\frac{28}{15}=1 \frac{13}{15} \\
& 5-\frac{3}{4}=\frac{5}{1}-\frac{3}{4}=\frac{20}{4}-\frac{3}{4}=\frac{17}{4}
\end{aligned}
$$

Concept - what it is
$\frac{1}{2}+\frac{1}{3}=$
$\frac{1}{2} \times 3=\frac{3}{6} \quad \frac{1}{3} \times 2=\frac{2}{6}$

Non-Concept - what it isn't
You cannot just add the numerators, add the denominators.
$\frac{2}{3}+\frac{5}{7}=\frac{2+5}{3+7}=\frac{7}{10}$

We need common denominators not common numerators.
$\frac{4}{7}+\frac{3}{7}=\frac{12}{21}+\frac{12}{28}$

$$
=\frac{12}{49}
$$

| Standard Examples | Non-Standard Examples |
| :--- | :--- |

$$
\frac{7}{10}-\frac{2}{5}
$$

$$
\frac{7}{10}-\frac{4}{10}=\frac{3}{10}
$$

$$
\begin{aligned}
& \frac{3}{4}-?=\frac{1}{28} \\
& \frac{21}{28}-?=\frac{1}{28} \quad ?=\frac{20}{28}=\frac{5}{7} \\
& \frac{1}{3}+\frac{6}{n}=1 \quad \frac{1}{3}=\frac{2}{6}=\frac{3}{9} \\
& \frac{3}{9}+\frac{6}{9}=\frac{9}{9}=1 \quad n=9
\end{aligned}
$$ Add two fractions with common denominators

Subtract two fractions with common denominato Add and subtract fractions with different denominators (one multiple)

Add and subtract fractions with different denominators (two multiples)

Useful Formulae and Hints Only add or subtract fractions once you have found a common denominator

## The numerators get

 added/subtracted, not the denominators. It helps to read the question aloud: "one seventh plus five sevenths equals six sevenths", the thing you are counting has not the thing just how many of them you have.Try to find the lowest common denominator so that the numbers you are working with are as small you are working with are as small
as possible. It should save time simplifying the answer.

You don't have to convert mixed numbers when you are adding You can add the whole numbers and fractions separately.

## GCSE Questions

2 (a) Work out $\frac{2}{7}+\frac{1}{7}$
(a)

3 Work out $4 \frac{1}{5}-2 \frac{2}{3}$
Give your answer as a mixed number.
(Total for Question 3 is $\mathbf{3}$
(b) Work out.

$$
\frac{2}{3}-\frac{1}{5}
$$

(b)
[2]

Give your answer as a mixed number in its simplest form.
(a)
[3]
7 Work out the following, giving each answer as a fraction.
(a) $1 \frac{3}{4}+\frac{1}{2}$

1 (a) Work out $2 \frac{1}{7}+1 \frac{1}{4}$

The learning outcomes for this topic are:
Multiply a fraction and an integer

Divide a fraction and an integer

| Key Word | Definition |
| :--- | :--- |
| Numerator | the top number in a fraction |
| Denominator | the bottom number in a fraction |
| Product | multiplication i.e. product of 3 and 4 is $3 \times 4=12$ |
| Quotient | lowest common multiple - the smallest number <br> that is a multiple of two numbers |
| LCM | a whole part and a fraction |
| Mixed Number | a fraction with a larger numerator than <br> denominator |
| Improper | two numbers with a product of 1 |
| Reciprocal | Careers Focus - Where could this take you? |
| Set designers use a mathematical formula <br> involving multiplication of fractions to <br> create forced perspective. |  |

Additional Resources

| MathsWatch: $\underline{N 37 a}, \underline{N 37 b}, \underline{N 42 a}, \underline{N 42 b}, \underline{73}, \underline{74}$ |
| :--- |
| Corbett Maths: Videos $\underline{134}, \underline{142}$; Worksheets $\underline{134}, \underline{142}$ |

## Curriculum Links - Coherence

 0| Curriculum Links - Coherence | $\cdots$ |
| :---: | :---: |
| Required Knowledge: <br> - 7.02 Multiplying and dividing integers <br> - 8.03 Using equivalent fractions |  |
| Applied to: <br> - 10F04 Calculating probabilities <br> - 10F23 Tree diagrams <br> - 10H06 Experimental probability <br> - 10 H 21 Tree diagrams <br> - 11H. 08 Algebraic Fractions |  |
| Links across school: <br> - Basic kitchen skills (Food Tech) <br> - Quantitative chemistry and energy (Science |  |

$$
\begin{aligned}
& \text { Key Concepts } \\
& \begin{array}{l}
1 \frac{3}{4} \times 2 \frac{1}{2}=? \\
\frac{7}{4} \times \frac{5}{2}=\frac{35}{8}=4 \frac{3}{8} \\
2 \times 2+1=5
\end{array} \\
& \frac{5}{12} \div \frac{3}{4}=\frac{5}{12} \div \frac{9}{12}=\frac{5 \div 9}{12 \div 12}=\frac{5}{9} \\
& \text { Common Denominator }
\end{aligned}
$$

Don't forget that multiplication is commutative (the order doesn't matter) e.g. $2 \times 3=6$ and $3 \times 2=6$.
We can use this to simplify fractions before we multiply. For example

$$
\begin{aligned}
& \frac{24}{25} \times \frac{35}{48}=\frac{35}{25} \times \frac{24}{48} \\
& \frac{35}{25}=\frac{7}{5} \text { and } \frac{24}{48}=\frac{1}{2}
\end{aligned}
$$

so the question is just $\frac{7}{5} \times \frac{1}{2}=\frac{7}{10}$


We don't need to find a common
denominator; it makes the arithmetic more difficult.

$$
\frac{5}{7} \times \frac{3}{11}=\frac{35}{77} \times \frac{21}{77}
$$

$$
\begin{aligned}
4 \frac{1}{2} \times 3 \frac{2}{5} & =\frac{9}{2} \times \frac{17}{5}=\frac{153}{10} \\
& =15 \frac{3}{10}
\end{aligned}
$$

action parts.

$$
\begin{gathered}
4 \frac{1}{2} \times 3 \frac{2}{5}=4 \times 3+\frac{1}{2} \times \frac{2}{5} \\
12+\frac{2}{10}=12 \frac{2}{10}
\end{gathered}
$$

We multiply by the reciprocal of the second fraction, not the first.

$$
\frac{4}{7} \div \frac{5}{9}=\frac{7}{4} \times \frac{5}{9}=\frac{35}{36}
$$

Non-Standard Examples
Work out $\frac{3}{5} \times \frac{2}{3}$.

$$
\frac{3}{5} \times \frac{2}{3}=\frac{3 \times 2}{5 \times 3}=\frac{6}{15}
$$

$$
\text { Find } \frac{1}{3}-\left(\frac{1}{3} \times \frac{1}{3}\right)+\left(\frac{1}{3} \div \frac{1}{3}\right)
$$

Work out $\frac{3}{5} \div \frac{2}{3}$.
This is the same as $\frac{3}{5} \times \frac{3}{2}$

$$
\frac{1}{3}-\frac{1}{9}+1=\frac{3}{9}-\frac{1}{9}+\frac{9}{9}
$$

$$
\frac{3}{5} \times \frac{3}{2}=\frac{3 \times 3}{5 \times 2}=\frac{9}{10}
$$

$$
=\frac{11}{9}=1 \frac{2}{9}
$$

The learning outcomes for this topic are:

Divide a fraction and an integer

## Useful Formulae and Hints

All integers can be written as fractions,

## they are just divided by 1 .

 E.g. $3=\frac{3}{1}$
## Reciprocals have a product of 1 . For

 fractions, this means the reciprocal is the 'flipped' version of the fraction. E.g. $\frac{5}{7}$ has a reciprocal of $\frac{7}{5}$ because$$
\frac{5}{7} \times \frac{7}{5}=\frac{5 \times 7}{7 \times 5}=\frac{35}{35}=1
$$

Dividing is the same as multiplying by the reciprocal.
E.g.

$$
\frac{3}{5} \div \frac{7}{8}=\frac{3}{5} \times \frac{8}{7}=\frac{24}{35}
$$

Dividing can also be done with a common denominator.
E.g. $\frac{3}{5} \div \frac{7}{8}=\frac{24}{40} \div \frac{35}{40}$

$$
=\frac{24 \div 35}{40 \div 40}=\frac{24 \div 35}{1}
$$

$$
=24 \div 35=\frac{24}{35}
$$

## GCSE Questions

(b) Work out $1 \frac{1}{5} \div \frac{3}{4}$

Give your answer as a mixed number in its simplest form.
2 Show that $2 \frac{1}{3} \times 3 \frac{3}{4}=8 \frac{3}{4}$

## (Total for Question 2 is $\mathbf{3}$ marks)

3 Work out $1 \frac{3}{4} \times 1 \frac{1}{3}$
Give your answer as a mixed number.
(Total for Question 3 is $\mathbf{3}$ marks)
(Total for Question 9 is $\mathbf{3}$ marks)

$$
\begin{aligned}
& 2 \text { Work out. } \\
& \text { (a) } \frac{1}{2} \text { of } 12 \\
& \text { (b) } 8 \times \frac{1}{5} \\
& \text { Give your answer as a mixed number. } \\
& \text { (c) Isac and Maya eat part of a pizza. } \\
& \text { Isaac eats } \frac{1}{6} \text { of the pizza. } \\
& \text { Maya then eats } \frac{3}{5} \text { of the remaining pizza. } \\
& \text { What fraction of the orignal pizza is eft? }
\end{aligned}
$$

$\qquad$
(a) ..... [2]
(2)
(Total for Question 1 is $\mathbf{4}$ marks)

9 Work out $3 \frac{1}{2} \times 1 \frac{3}{5}$
Give your answer as a mixed number in its simplest form.

$$
\ldots .\left[{ }^{[2]}\right.
$$

$\qquad$
(a) ......... [2]

..............................................[4]

17 James works from 2 pm until 8.30 pm on both Thursday and Friday He is paid $£ 12$ per hour.
On Saturday he is paid $1 \frac{1}{2}$ times this hourly pay.
He works for 5 hours on Saturday.
Calculate how much James earns in total for these three days.
£

14 Work out $\frac{2}{15} \times \frac{15}{22}$
Give your answer in its lowest terms.
..................................................................
(b) $\frac{3}{8} \div 2$
$\qquad$ [1]
(c) $\frac{1}{3} \times \frac{1}{2}$

## English

Our students will:
$>$ read easily, fluently and with good understanding
$>$ develop the habit of reading widely and often, for both pleasure and information
$>$ acquire a wide vocabulary, an understanding of grammar and knowledge of linguistic conventions for reading, writing and spoken language
$>$ appreciate our rich and varied literary heritage
$>$ write clearly, accurately and coherently, adapting their language and style in and for a
$>$ range of contexts, purposes and audiences
$>$ use discussion in order to learn; they should be able to elaborate and explain clearly their understanding and ideas
$>$ are competent in the arts of speaking and listening, making formal presentations, demonstrating to others and participating in debate.

Summarise and analyse the devices used for effect on audience Link to prior knowledge of literary and rhetorical devices from their reading to enhance their writing.

\section*{| Keyword | Definition |
| :--- | :--- |}

Monarch $\quad$ ruler of a country
Monarchy a system of rule with one chosen pardon at the head until death or abdication

|  | until death or abdication |
| :--- | :--- |
| Abdicate | to give up ruling a country by choice |


|  |  |
| :--- | :--- |
| Reign | the time they rule the country |


| Context | $\begin{array}{l}\text { how something fits in to either a time, fashion, type of } \\ \text { category }\end{array}$ |
| :--- | :--- | category

Destiny $\quad$ the idea that you will achieve a specific goal in your lifetime

| Regicide | the killing of a monarch |
| :--- | :--- |

Patriarchy $\quad$ male dominant ruling

| Thane | lord |
| :--- | :--- |


| Prophecy | a prediction made about the future that is expected to <br> come true |
| :--- | :--- |


| Theme | mini topics that appear throughout the whole of the play |
| :--- | :--- |

Structure $\quad$ how the story or characters change and develop through the text

| Imagery | language used to help you visualise or 'see' what is |
| :--- | :--- | happening.


| Soliloquy | when a character speaks their inner thoughts aloud to <br> allow the audience to more fully understand their <br> the |
| :--- | :--- | thoughts and feelings.

Trait
Transpose

## Key Concepts

| Key 10 quotes | Characters |
| :--- | :--- |

- Fair is foul, and foul is fair:
- Hover through the fog and filthy air A1,s1
- Whose horrid image doth unfix my hair
- And my seated heart knock at my ribs,
- Against the use of nature? A1,s3.
- Unsex me here A1, s4.
- Dark night strangles the travelling lamp A2,s4
- A falcon, towering in her pride of place,
- Was by a mousing owl hawk'd at and kill'd A2,s4
- O, full of scorpions is my mind, dear wife! A3,s2
- But float upon a wild and violent sea $\mathrm{A} 4, \mathrm{~s} 2$
- Out, damned spot! Out, I say! A5,s1
- Foul whisperings are abroad,: unnatural deeds
- Do breed unnatural troubles: infected minds A5,s1
- To-morrow, and to-morrow, and to-morrow A5,s5


## Themes

## Bravery - to act when afraid

Nature - the features and products of the earth
Magic - a paranormal force
Female power - the use of influence by women
Male power - the use of influence by men
Manipulation and deceit - to make others act in a way you want; to use untruths and obscure truths
. Fate and destiny - a prediction made that is expected to come true; something you can alter about your future but that you are likely to achieve.

- Betrayal - acting in a disloyal way against someone who trusts you. Justice - fairness, to be unbiased, what is considered right and true.

Macbeth
Lady Macbeth
Witches x3
Banquo (\& ghost)
King Duncan
Macduff
Malcolm
Donalbain
Ross
Macduff and his Lady
Doctor

## Theories

Superstition - a belief in omens and signs that cannot proven through logic or science.

- Fate - a belief in a foreseen outcome.
- Patriarchy - the practice of granting males absolute power over family and community as a whole.
- Imperialism and colonialism - the practice of spreading English power and influence by economic or political power over other countries.
summarise and analyse the devices used for effect on audience Link to prior knowledge of literary and rhetorical devices from their reading to enhance their writing.

Example Level 6 paragraph
Shakespeare clearly wants to show Lady Macbeth as a conflicted character. She is driven and ambitious and is

- A01: Clarity of argument.
- A02: Analysing the methods of a writer- language, structure and form.
- A03: Socio-historical context, genre, crossreferencing across a text and different audience perspectives.
- A04: Spelling, punctuation and grammar.
$0^{\circ}$

Queen Elizabeth (1533-1603) was one of the most successful monarchs in British history. She was superseded by King James 1566-1625.

England was a significant power in military and economic terms.
Superstition and religion were the core beliefs of the people.
Women had less rights than men and the country followed the ideas of patriarchy.
Elizabeth was known for her Military success.

## 

## Retrieval Practice

| Questions |
| :--- |
| How does Shakespeare present ambition in <br> Macbeth? |

How does Shakespeare present women in Macbeth?
willing to commit regicide to get what she wants. However, she also struggles with a guilty conscious and is ultimately psychologically broken by her remorse. At the start of the play she defies the contemporary fear of witchcraft and calls on evil spirits to 'unsex me here' and 'take my milk for gall'. On the hand, Shakespeare's use of imperatives highlight her strength and determination. On the other, they illustrate a desperation in the character. This need to change herself and remove the caring, maternal 'milk' may in fact foreshadow her inability to 'stop up th'access and passage to remorse.' Although Lady Macbeth may be presented as strong and a key catalyst for Duncan's death at the start of the play, by the end she is weak and overcome by guilt. She seems to be admitting this vulnerability when she imagines seeing blood on her 'little' hand in Act 5, Scene 1. Ultimately, Shakespeare is presenting a character who cannot free herself from Christian guilt, even with the help of the supernatural. She may be powerful, but she is not free of remorse and this is her downfall.

## Career Focus - Where could this take you?



As an MP (Member of Parliament), I represent my constituents in my area. I help local people by doing things like debating in parliament, raising the profile of local issues on social media, lobbying organization, asking questions during Prime Minister's Questions (PMQs) and being involved in committees which scrutinise new legislation or question the work of the government.
Topic Links

This topic links to:

- History: Tudors and Stuarts, British Monarchy - RE: Christian expression

To further practise and develop you knowledge see: - Shakespeare shorts here

- Animated play in 8 parts click here
- Audio Book please click here
- Mr Bruff characterisation click here
- Macbeth Revision Tutorial click here

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## Science

Our students will:
$>$ develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
$>$ develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
$>$ are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

| Keyword | Definition |
| :--- | :--- |
| Prediction | What you think will happen and why. |
| Hypothesis | An idea that can be tested using experiments. |
| Independent <br> Variable | The variable that you change. |
| Dependent Variable | The variable that you measure (your results) |
| Control Variables | The variables that could influence the results <br> so are kept the same. |
| Hazard | Is something that can cause harm to <br> someone. |
| Risk Assessment | Identifies hazards, the harm they can do and <br> how to minimise the risks. |
| Method | Step by step instructions how to carry out <br> practical. |
| Conclusion | An explanation of what you found out |
| Evaluation | When you consider the quality of the data and <br> how the investigation could be improved. |
| Accurate | When the data is close to the true value. |
| Precise | When the repeated data is similar (close to the <br> mean). |
| Reproducible | Same results obtained by different people. |
| Anomaly | result that doesn't fit the pattern. |

## Key Concepts

## Laboratory Safety Rules

Safety is the number 1 priority when you are carrying out practical work in the science labs so there are some important safety rules to follow:

- Always wear eye protection during a practical.
- Carry out a practical while standing up.
- Do not eat or drink in the laboratory.
- Tie long hair back and tuck loose clothing in during practicals.
- If something is spilled or broken, tell the teacher.
- Ensure that the floor and work space is clear of obstacles.
- Light bunsen with splint on a safety flame.
- Stop immediately when asked to by the teacher


## What is STEM learning?

This year you will be carrying out project based learning that focuses on solving real life problems using Science, Technology, Engineering \& Mathematics. You will develop important skills such as problem solving, creativity, team work, innovation, communication and digital literacy. STEM is expected to be one of the largest employers in the near future so this will help prepare you to be successful global citizens.

## Evaluating Data

The quality of any data should be evaluated before making any conclusions.

| Term | Meaning |
| :--- | :--- |
| Precision | Measurements are in close agreement |

Precision and repeatability can be seen easily from a table of results containing repeat measurements. If the repeat measurements are close together, the data is precise and repeatable.
Evaluation of the data should also consider accuracy. A measurement is accurate if it is close to the true value.
To ensure the data is as accurate as possible, work out the best estimate of the true value: Identify any outliers (anomalous results) in the data. These are results that are very different to the others. Find the mean of the remaining results. To find the mean add together the results and divide by the number of measurements.

## The Scientific Method

## Step 1 - Observe and ask questions

When you ask a question about something that you observe: How, What, When, Who, Why, or Where? Step 2 - Research
To help you find the best way to do things and ensure that you don't repeat mistakes from the past. Step 3 - Construct a hypothesis
This a statement that you can test. Your evidence will allow you to either accept or reject the hypothesis. Step 4 -Test the hypothesis
Plan experiments making sure you have clear independent, dependent and control variables. Then carry out experiment(s) to test the hypothesis and record data.

## Step 5 - Analyse data and make conclusions

Organise data in ways to make it easier to understand (e.g. graphs) and check against hypothesis. Step 6 - Share results
Results from experiments are shared with other scientists so they can evaluate the findings themselves.

## Types of errors

Systematic - a problem with the method or equipment used. E.g using a beaker to measure the volume of a liquid instead of a measuring cylinder. The effect cannot be reduced by taking repeat readings.

Random - whenever something is measured a random error is made. E.g measuring with a ruler. The effect can be reduced by taking repeat readings.

Zero - caused by a piece of equipment not reading zero when it should. E.g. a balance. Either reset the piece of equipment or deduct the false reading from all measurements.


| Retrieval Practice | Answers |
| :--- | :--- |
| Questions | A regular structure with no space between particles. |
| What is a hypothesis? | The independent variable, dependent variable and control variables. |
| Name the 3 types of variables | In tables and graphs (bar graph or scatter graph). |
| How is data usually displayed? | A result that doesn't fit the pattern of the other results. |
| What is an anomalous result? | Repeat values added together then divided by number of repeats. |
| How is the mean calculated? | A summary of whether your results do or do not support the hypothesis. |
| What should a conclusion include? | An assessment of how the experiment went and how to improve it |
| What should an evaluation include? | When data is similar and close to the mean. |
| What are precise results? | When the data is close to the true value. |
| What are accurate results? | The data is similar when repeated by other people. |
| What are reproducible results? |  |

## Career Focus - Where could this take you?



I am a research scientist (physics). My job is mainly to plan experiments, conduct experiments and analyse results.
My main workplace is a laboratory where I can be part of a team researching a variety of areas such as astrophysics, nuclear physics, Quantum Gravity and much more.
To do a good job as a research scientist you need to have an inquisitive mind and enjoy planning and working on experiments.

## Challenge Activities

1. Make flashcards for the definitions and retrieval practice questions
2. Research the different types of research that different research scientists carry out. Which fields do you find the most interesting?
3. Construct a fact file about the scientific method.
4. Plan an experiment. Remember to include the hypothesis, variables, method and results table.
5. Produce a poster about the different types of errors that can occur during experiments and how to reduce their effect.
6. Find out more about research scientists and what they do. What qualifications would you need for this career? What is the average salary?

## Topic Links

This topic links to all scientific topics such as

- Pure substances
- Wure substances
- Waves (sound

We will also be practising how to

- Evaluate our investigations
- Write a research article to communicate your findings

Additional Resources
Educake - https://www.educake.co.uk/ BBC Bitesize -
https://www.bbc.co.uk/bitesize/topics/zsg6m39 https://www.bbc.co.uk/bitesize/topics/zsg6m39/article s/z4pjdp3
YouTube -
https://www.youtube.com/watch?v=yiOhwFDQTSQ

Our students will:
$>$ understand and respond to spoken and written language from a variety of authentic sources
$>$ speak with increasing confidence, fluency and spontaneity, finding ways of communicating what they want to say, including through discussion and asking questions, and continually improving the accuracy of their pronunciation and intonation
$>$ can write at varying length, for different purposes and audiences, using the variety of grammatical structures that they have learnt
$>$ discover and develop an appreciation of a range of writing in the language studied.

The Past Perfect tense - to talk about a completed action in the past, e.g. I have eaten the pizza/l ate the pizza.

| Keywords - Questions |  |
| :--- | :--- |
| French | English |
| Tu as combien de vacances <br> et quand? | How much holiday do you <br> have and when? |
| J'ai six semaines de <br> vacances en été | I have $\underline{6}$ weeks in <br> summer. |
| Tu es où en vacances? | Where are you on <br> holiday? |
| Je suis au bord de la mer <br> avec mes parents. | I'm at the seaside with <br> my parents. |
| Tu as passé de bonnes <br> vacances? | Did you enjoy the <br> holidays? |
| Oui je suis allé en espagne <br> avec ma famille. | Yes I went to Spain with <br> my parents. |
| Qu'est-ce que tu as fait? | What did you do? |
| J'ai vu un spectacle. <br> Je n'ai pas nagé dans la <br> mer. | I saw a show <br> I didn't swim in the sea. |
| C'était comment? | What was it like? |

To form the past perfect tense, you need:

1. Part of the verb AVOIR (most verbs) or ETRE (Mrs Vandertramp + Reflexive Verbs)
2. A Past Participle

## To form the past participle:



Example avoir verb:

| regarder $\Longrightarrow$ regardé  <br> j'ai regardé I watched <br> tu as regardé you (singular) watched <br> illelle/on a regardé he/she / we watched <br> nous avons regardé we watched <br> vous avez regardé you (plural or polite) watched <br> ils/elles ont regardé they watched |
| :--- | :--- |

## Example être verb:

| 年ller | $\frac{\text { to go }}{\text { lwent }}$ |
| :--- | :--- |
| je suis allé(e) | you (singular) went |
| tu es allé(e) | he/she went |
| il est allélelle est allée | we went |
| on est allé(e)s | we went |
| nous sommes allé(e)s | you (plural or polite) went |
| vous êtes allé(e)(s) | they went |
| ils sont allés/elles sont allées |  |

Present Tense

| Je vais | I go |
| :--- | :--- |
| Je mange | I eat |
| Je visite | I visit |
| Je bois | I drink |
| Je nage | I swim |
| J'achète | I buy |
| Je fais | I do / make |
| C'est... <br> (opinion) | It is <br> ( opinion) |

## Past Perfect Tense

| $\underline{\text { Je suis allé }}$ | $\underline{\underline{I}}$ went |
| :--- | :--- |
| $\underline{\text { J'ai mangé }}$ | $\underline{\mathbf{I}}$ ate |
| $\underline{\text { J'ai visité }}$ | $\underline{\mathbf{I}}$ visited |
| $\underline{\text { J'ai bu }}$ | $\underline{\mathbf{I}}$ drank |
| $\underline{\text { J'ai nagé }}$ | $\underline{\mathbf{I}}$ swam |
| $\underline{\text { J'ai acheté }}$ | $\underline{\mathbf{I}}$ bought |
| $\underline{\text { J'ai fait }}$ | $\underline{\mathbf{I}}$ did /made |
| C'était... <br> + opinion | It was..... <br> + opinion |

Newsome

Career Focus - Where could this take you?


I am a travel representative. We meet people from all over the world, so it is very important that I can speak a Language. It doesn't matter which language I speak, because learning a language helps me to understand the different cultures of countries around the world.

## Challenge Activities

1. Make flashcards for the questions and answers.
2. Use Languagenut to practise the past tense verbs.
3. Create a postcard sent from a real or imaginary holiday. Say where you usually go, where you went last time, how you travelled, what you did there and what you thought about it.

| Topic Links | Additional Resources |
| :--- | :--- |
| This topic links to other French topics such as <br> $\bullet \quad$ Freetime - last weekend. | To further practise and develop you knowledge see: |
| $\bullet \quad$ Food and drink. |  |
| This topic also links to : <br> $\bullet \quad$ Geography | Languagenut - www.languagenut.com |
|  | Active Learn - www.pearsonactivelearn.com <br> You can ask your teacher if you have forgotten your <br> username and password. |

## Humanities

## Our students will:

$>$ know and understand the history of these islands as a coherent, chronological narrative, from the earliest times to the present day: how people's lives have shaped this nation and how Britain has influenced and been influenced by the wider world
$>$ understand historical concepts such as continuity and change, cause and consequence, similarity, difference and significance, and use them to make connections, draw contrasts, analyse trends, frame historically-valid questions and create their own structured accounts, including written narratives and analyses
$>$ understand the methods of historical enquiry, including how evidence is used rigorously to make historical claims, and discern how and why contrasting arguments and interpretations of the past have been constructed
$>$ develop contextual knowledge of the location of globally significant places - both terrestrial and marine - including their defining physical and human characteristics and how these provide a geographical context for understanding the actions of processes
$>$ understand the processes that give rise to key physical and human geographical features of the world, how these are interdependent and how they bring about spatial variation and change over time
y Newsome Academy

To give detail on the UK's population

| Keyword | Definition |
| :--- | :--- |
| Population | Word used to describe a group of people. <br> Populations can exist at many scales |
| Population Density: | How crowded or empty a place is <br> (measured in people per square km) |
| Population Distribution | The pattern of where people live. |
| Densely Populated | A crowded area |
| Sparsely Populated | An empty area |
| Birth Rate | Is a measure of the number of healthy <br> babies born each year per 1000 people in <br> the population |
| Death Rate | The number of deaths per year per 1000 <br> people in the population. |
| Population pyramid | A type of bar chart that shows the <br> population structure (i.e. how many <br> people, how old they are, what sex they <br> are) of a country |
| Life Expectancy | How many years a new baby can expect <br> to live for on average |
| Fertility Rate | The average number of children per <br> woman |
|  | The number of births minus the number of <br> deaths in a period |

## Key Concepts

## Population density

refers to the number of people living in an area. It is worked out by dividing the number of people in an area by the size of the area. If there are few people living in an area this means that it is sparsely populated, while a densely populated area has many people living there.



## Population changes

The world's population does not stay the same. During the 1st century AD, the world population was about 300,000 people. The current population is over 7 billion, and most of the growth has taken place within the last 100 years.
What causes population to change?

- births
- deaths
- migration

Over time, as healthcare has improved, death rates have continued to fall. The introduction of vaccines has also helped to protect people from diseases.

## Key Concepts

## Population Pyramids

Population structures are shown using population pyramids. A population structure refers to the number of males and females in each age group that are found within a specific place. What does this mean?
A wide base means there are lots of young people, and suggests a high birth rate.
A narrow base means a smaller proportion of young people, suggesting a low birth rate.
A thin middle, short pyramid means a smaller ageing population, suggesting that there is not a long-life expectancy.

While improvements in healthcare have historically lowered death rates, increased access to contraception has lowered birth rates.


Factors affecting population density Factors that can lead to dense populations include:
flat or gently sloping land
mild climate
good soils
lowland
water
good transport and communication links, e.g. ports places to work
resources, e.g. coal, oil
Factors that can lead to sparse populations include:
steep slopes
harsh climate - very hot or very cold
dense forest
dry conditions
isolated areas with poor transport links
few jobs
lack of resources

Overpopulation means there are too many people living in a certain area, which can create environmental and social problems.

UK Population


| Retrieval Practice | Answers |
| :--- | :--- |
| Questions |  |
| What is Population? |  |
| What is population density? |  |
| What is population distribution? |  |
| What is a sparsely populated are? |  |
| What is a densely populated area? |  |
| What is the fertility rate? |  |
| What is the birth rate and death rate? |  |
| What is a population pyramid? |  |
| What is Life expectancy? |  |
| What is natural increase? |  |

Career Focus


I am a data analyst for the Office of National Statistic. I collect, organise and study data to provide a business insight into the data. My responsibilities are working in a small team to develop codes and processes to standardise and exploit key strategic external data for a wide variety business products.
As part of my job I link key administrative data and prepare data for use across the business using a wide range of statistical and analytical products.

## Challenge Activities

- What affects the population distribution of the world?
- Why are there differences in the growth rate of the population of the world?
- How did the Industrial Revolution affect the UK's population?
- Suggest one way in which the UK's population structure is changing
- Many countries now have an ageing population. Describe how a country may try to encourage an increase in the birth rate.
- If the human population doubles in the next 50 years. What problems will this cause?


## Topic Links

This topic links to other Humanities topics such as: Weather Hazards, Coastal landscapes, River landscapes, Tectonic landscapes, Resource Management, Economic development UK Africa, China, India, Middle East

Additional Resources

## BBC Bitesize:

https://www.bbc.co.uk/bitesize/topics/zg7nvcwttp:// www.worldometers.info/

The Geography resource portal: https://www.adageogjoe.com/ks3-y7--seven-billion.htm|

Newsome Academy

| Keyword | Definition |
| :--- | :--- |
| Population | Word used to describe a group of people. <br> Populations can exist at many scales, |
| Population Density: | How crowded or empty a place is (measured in <br> people per square km) |
| Population Distribution: | The pattern of where people live. |
| Densely Populated | A crowded area |
| Sparsely Populated | An empty area |
| Birth Rate | Is a measure of the number of healthy babies born <br> each year per 1000 people in the population |
| Death Rate | The number of deaths per year per 1000 people in <br> the population. |
| Migrant | The permanent movement of people from one place <br> to another. |
| Push Factor | Negative things that force people to move from one <br> place to another. A push factor may be an <br> earthquake. |
| Pull Factor | Positive things that attract people to from one place <br> to another place. An example of a pull factor is a <br> place having better job opportunities |
| Immigrants | People who move into a country from another <br> country |
|  | People who move out of a country to live in another <br> country |

To understand the key terms of the topic
To know the population distribution of the world
To understand what the term life expectancy means and how it is changing and why? To understand the problems, might a country face if its population keeps rising or keeps falling

## Key Concepts

## Push factors

These are the reasons for why someone would want to move away from a place:

- Lack of services
- War
- Famine (starvation/food shortages)
- Few Jobs
- Natural Disasters


## Pull factors

These are the reasons for why someone would want to move to a place:

- Higher quality of life (better homes, etc.)
- Access to education
- "Bright Lights" of the city
- Better healthcare
- Better job opportunities



## Case Study: Migration to the U.S.A (Mexico or Puerto Rico)

Many people have migrated to America to seek a better life, such as people from Mexico and Puerto Rico.

## Pull Factors

- Less access to education.
- Higher crime rates and less protection.
- Hot and arid climates
- Easier access to a doctor when needed.
- Higher quality homes and living standards.

However, migrants often face challenges when coming to America. This includes racism, and less desirable jobs.

## Key Concepts

## Migration - When people move from one place to another.

## Refugees and Asylum Seekers

## Refugees:

People who have been forced to move away from their home country and have been granted asylum in another country.

## Economic migrants:

A person who has left his or her own country and seeks to find employment in another country.

## Asylum seekers:

A person who has applied for asylum in another country

## Rural-urban migration

- Rural to urban migration is the movement of people from the countryside to the city.
- People move from the countryside due to various push factors. People believe that by moving to the city they will have access to more opportunities. However, in many cases moving to the city does not mean a better quality of life.
- Many poor people end up living in areas on the edge of a city, in small, very cheaply built houses. These areas are known as shantytowns or slums.



## Case Study: China's One Child Policy

In order to manage its own growing population, China introduced the One Child Policy in 1979. The new policy meant that any couple having a second child would get a heavy fine, around $£ 3,000$.

## Impacts of the Policy

- The fertility rate has dropped from 5.7 in 1960 to 1.7 in 2016.
- Large numbers of female babies have ended up homeless or in orphanages, and in some cases killed.
- Many people claim that some women, who became pregnant after they had already had a child, were forced to have an abortion and many women were forcibly sterilised.
- There have been reports of female infanticide (killing of infants).


Long-term implications of the policy are that China now has a gender imbalance in their population. Its ageing population also has a high dependency ratio.

| Retrieval Practice | Answers |
| :--- | :--- |
| Questions |  |
| Name is a 'migrant'? 2 push factors |  |
| Name 2 pull factors |  |
| Name the positive effects on a country due to migration |  |
| Name the negative effects on a country due to migration |  |
| What was Enrique trying to do? And why? |  |
| Describe the problems caused by China's population policy |  |
| Explain why there are concerns about the effects of |  |
| China's family planning policy |  |
| Explain why there is a gender imbalance in China |  |
| Give two benefits of the policy and briefly explain one |  |

Career Focus - Where could this take you? Executive Officer - Health Analysis and Pandemic Insight


As an apprentice at the Office for National Statistics, I have had the opportunity to develop a range of different skills in data science, an area which I had limited experience in before joining the scheme. The combination of learning theory and in job application has been really valuable.

## Challenge Activities

- What are the main reasons for internal migration?
- What are the main reasons for international migration?
- What impact will the migration of people to the USA have on Mexico?
- Suggest why the birth rate in many poor countries is falling.
- Describe the features of China's family planning policy since the 1990s

| Topic Links | Additional Resources $\left\{\begin{array}{l}\text { 固\} }\end{array}\right.$ |
| :---: | :---: |
| This topic links to other Humanities topics such as: Weather Hazards, Coastal landscapes, River landscapes, Tectonic landscapes, Resource Management, Economic development UK Africa, China India, Middle East | BBC Bitesize: <br> https://www.bbc.co.uk/bitesize/topics/zg7nvcw <br> The Geography resource portal: https://www.adageogjoe.com/ks3-y7--seven-billion.html https://www.adageogjoe.com/ks3-y7--seven-billion.html |




## BBC Bitesize:

https://www.bbc.co.uk/bitesize/topics/zg7nvcw
resource portal:
ths./nur.adageogjoe.com/ks3-y7--seven-bilion.htm

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## Year 8

 his reign.To evaluate the impact of Henry VIII's break with Rome. expiore the religious changes Edward VI made to England. To consider what religious changes Mary I made to England and what type of Queen she was.
The Tudors

| Keyword | Definition |
| :--- | :--- |
| Tudor | English royal family / dynasty which held the throne from Henry VII <br> in 1485 until the death of Elizabeth I in 1603. |

## Key Concepts: Tudor Monarchs

| Monarch | A ruler such as a King, Queen or Emperor. - This word is complex <br> in History and you will explore it thoroughly. |
| :--- | :--- |
| Reign | Time during which a Monarch rules. |
| Heir | A person who has legal claim to a title or throne when the person <br> holding it dies. |
| Catholic (Roman) | Christian religious beliefs - the Pope is Head of the Church |
| Protestant | Also Christian; they separated from the Roman Catholic Church in <br> the 16th century. Monarch is Head of the Church. |
| Significant | Something or someone who is important and remembered. |
| Divorce | Latin for 'to separate': To legally end a marriage. |
| Reformation | A religious movement in Europe in the 1500s where its leaders <br> disagreed with the Roman Catholic Church. |
| Treason | The crime of betraying your country, particularly by attempting to <br> kill or overthrow the Monarch. |
| Martyr | Someone who dies for their beliefs (often religious). |
| Bloody | To describe a person as 'bloody' means they are cruel and <br> bloodthirsty. Describing a situation or event as bloody means it <br> was violent and many people were killed. |
| Misunderstood | Fail to understand correctly or have the wrong impression of. |
| Interpretation | In History this means different versions of the past. <br> evidence that is available |



## Henry VII (1485-1509)

Henry Tudor started the Tudor Dynasty after defeating Richard III Married Elizabeth of York Created the Tudor Rose.

## Henry VIII (1509-1547)

Had 6 wives and 3 children
Created the Church of England after his break from Rome.
Had an expensive lifestyle.

## Edward VI (1547-1553)

Became King at the age of 9.
Died aged 15, of Tuberculosis.
His Uncle Edward Seymour and later John Dudley were his 'Lord Protector'.

## Mary I (1553 - 1558)

England's first female Monarch. Married Prince Philip of Spain. Killed about 300 Protestants for their religious beliefs.

## Elizabeth I (1558-1603)

Longest reigning Tudor Monarch
Defeated the Spanish Armada in 1588. Never Married.
We will learn more about Elizabeth I next Half Term.

## Year 8

The Tudors

The learning outcomes for this topic are:
Enquiry Question - Who were the Tudors and how did they change England?

- To explain why Henry VII won the Battle of Bosworth and make a judgment on his reign.
- To identify what Catholics and Protestants believed and how they differ.
- To explain the reign of Henry VIII and why he is a significant figure in History.

To evaluate the impact of Henry VIII's break with Rome. To explore the religious changes Edward VI made to England. To consider what religious changes Mary I made to England and what type of Queen she was

- To identify different interpretations about Mary I.

To reach a judgement on whether Queen Mary I was 'bloody' or misunderstood' using evidence to support

## Retrieval Practice:

| Questions: | Answers: |
| :--- | :--- |
| Who did Henry Tudor defeat at the Battle of Bosworth <br> and what 'House' was he from? |  |
| What was the name of Henry VII's wife and his first <br> born son? |  |
| Who was the founder of the Protestant Reformation <br> and where was he from? |  |
| Tell me two differences between Catholics and <br> Protestants in the 16 Ch Century: |  |
| What was the name of Henry VIII's first and second <br> wives? |  |
| Tell me one reason Henry VIII broke from Rome: |  |
| What did Edward VI do to the Catholic rebels? |  |
| What was the name of the '9 day Queen' and what <br> happened to her? |  |
| Tell me one way Mary I can be seen as 'bloody' and <br> one way she can be seen as 'misunderstood'' |  |
| Who was the heir to the throne after Mary I and what <br> religion was she? |  |

## Career Focus - Where could this take you?

I am a Judge: My job is to uphold the law and see that justice is made. I act as a referee between disputing parties; analysing and interpreting all provided evidence to be able to reach a fair verdict and a sentence where necessary. I need to listen to all opinions and have a balanced view so that I can then make a final decision on whether someone is guilty or innocent.

## Challenge Activities

1. Produce a FULL fact file about any of the Tudor Monarchs we have studied this Half Term You should include information about their life and reign, historical facts and images.
2. Create a timeline of the whole Tudor period. You must detail all the events that happened during their reigns.
3. Imagine you are Martin Luther - the German Protestant Monk. Produce a leaflet to inform the people of England about the new ideas of Protestantism and why they may prefer to follow that as Christians in England during the 16th Century. - Use what you have learnt in lessons about the difference between Catholics and Protestants in the 16th Century.


## Year 8 Christian Expression

| Keyword | Definition | Key Concepts |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Prayer | Communicating with God | Quakers <br> - Began in the 1650 's as a breakaway movement. <br> - Originally the aim was to purify the faith which they believed had become abandoned and meddled with. <br> - Quakers often refer to themselves as friends. <br> - They are followers of Christ. <br> - They do not believe in celebrating the Eucharist or any of the Christian sacraments celebrated in other churches. <br> - Quakers believe that God will speak directly to us, so there is no need for priests or anyone to act as a go-between. <br> - Quakers normally worship in meeting houses. <br> - When no one is speaking, the meeting is conducted in silence. <br> - There may be hymns, bible readings and silent worship. <br> - There are about 17,000 Quakers in Britain today. <br> - Many Quakers feel that they have a social responsibility to make the world a better place. For this reason, many of the businesses that were set up at this stage also had important links to the wider community. | Arguments for infant baptism: | Arguments for adult baptism: |
| Liturgical/Structure d prayer | A church service that follows a set structure or ritual. |  | - Babies won't have any sins to wash away <br> - Babies will be too young to understand the meaning of baptism <br> - Babies will have Godparents <br> - Babies won't be able to follow the rules of their religion until they are older | - Adults will have sins to wash away <br> - Adults can make the choice themselves <br> - Adults better understand what baptism is about <br> - Adults will be able to better follow the rules of their religion |
| Informal prayer | Spontaneous prayers often spoken from the heart which are personal and unique to the person/people at the time |  |  |  |
| Meditation | Contemplation or reflection |  |  |  |
| Worship | Showing adoration, reverence, offering praise to God |  |  |  |
| Church | A building for public Christian worship. pand the whole body of Christian believers; Christendom. |  | The Eucharist <br> The Eucharist is one of the Sacraments which many Christians celebrate. It is inspired by Jesus' actions at the Last Supper, particularly his request that Christians eat bread and drink wine in memory of him. The sacrament is performed to remember Jesus but also to gain God's grace. |  |
| Infant Baptism | Sacrament of initiation of babies and young children into the Church |  |  |  |  |
| Adult/Believers Baptism | Initiation into the Church, by immersion in water, of people old enough to understand the ceremony/rite and willing to live a Christian life. |  | Prayers and readings are said that remind Christians of the Last Supper. Bread and wine is blessed (consecrated). Each member of the congregation eats a piece of bread and drinks a sip of wine. <br> Catholics believe in Transubstantiation: when the priest blesses the bread and wine it becomes the actual body and blood of Jesus. |  |
| Mission | The duty of Christians to spread the Gospel (the good news about Jesus) |  |  |  |  |
| Missionary | A person sent on a religious mission, especially to promote Christianity in a foreign country through preaching or charitable work | The Bible <br> The Bible is the best selling non-fiction book in the world. For Christians, The Bible is God's word, and offers Christians guidance and wisdom. The Christian holy book is the Bible and this is the most important source of authority for Christians, as it contains the teachings of God and Jesus Christ. All Christians, regardless of denomination, regard the Bible as the starting point for guidance about their faith. The Old Testament is older than the New Testament and is called the Hebrew Bible. The New Testament is thought to have been written by Christians in the first century AD. The first story of the New Testament is the birth of Jesus. |  |  |
| Evangelism | Preaching the gospel (the good news about God) to convert people to the Christian faith |  |  |  |  |  |  |
| Agape | The highest form of love |  |  |  |  |  |  |

## Questions

How do Christians of different denominations express their faith and spirituality through worship and prayer?

## What is meant by church?

How do Quakers express their faith and spirituality?
Are churches important in their local communities?
How did Christianity become most followed religion in the world?

What are the benefits of adult vs infant baptism?
Why do people become Christian missionaries?

## Topic Links

This topic links to other RE topics such as

- Christian Practices
- Judaism

We will also be practising how to

- Argue a point and practise our Voice 21
- Participate in a debate
- Write PEE sentences

Additional Resources
BBC Class clips
https://www.bbc.co.uk/teach/class-clips-video/religious-studies-ks2-what-is-christianity/znshvk7

Youtube
https://www.youtube.com/watch?v=VY-KTQz7Dyl

## Computing

Our students will:
> can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
$>$ can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
$>$ can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
$>$ are responsible, competent, confident and creative users of information and communication technology

The aims of the sequence of learning are to ensure that all students:

- Describe the difference between a 'theme' and 'audience' and complete the top trumps game planning top trumps game planning sources
- Analyse a custom template design made using a range of features in MS Publisher
- Evaluate the use of the Mail Merge feature in MS Publisher to create multiple customised Top Trump cards
Describe how to add and format different types of images on the Top Trump cards


The aims of the sequence of learning are to ensure that all students:


| Questions | Answers |
| :--- | :--- |
| What is the difference between the terms 'Audience' <br> and 'Theme'? | Audience is the primary group of people that something is aimed <br> at appealing to e.g. teenagers, 18 to 39 year olds, fans of <br> Manchester United etc... <br> Theme is the particular subject or idea on which the style of <br> something is based on e.g. Sports, Movies, Netflix etc... |
| Is Wikipedia a reliable source of information on the <br> internet? Explain why. | No, it can not be classed as a reliable source of information. The <br> creators admit that not every entry is accurate and that it might <br> not be the best source of material for research tasks. <br> However, if used correctly, it can be used as a starting point for <br> any research based tasks. |
| Why is it important to collate and use number-based <br> stats on the Top Trump cards? | It is important that the statistics that you use is suitable for Top <br> Trumps cards. The stats must be number-based otherwise you <br> would not be able to play the game of Top Trumps. <br> These numbers will be needed to compare a stat from your card <br> with the stat from another card. Words can not be compared to <br> determine a winner. |
| Why is it important to create professional looking Top <br> Trump card template designs? | The first impression counts for a lot. It is easier than ever to <br> compare products with each other. If your design does not look <br> eye catching and professional then people may choose not to <br> purchase the product. |
| What is a 'Mail Merge'? Give an example of how a mail <br> merge can be used in a school. | A Mail Merge is a feature which lets you combine a document <br> with a data file. A new personalised document is created for each <br> record on the data file e.g. school can use the students data file to <br> send personalised letters addressed to each parent / carer / <br> guardian. |
| product would have been a complete waste of time, resources and |  |
| money. It will have a negative impact on the reputation of the |  |
| company going forward. |  |

Career Focus - Where could this take you?


I am a graphics designer and I combine my artistic skills with my computing ability to create high quality art work and designs digitally for companies to use as logos or branding to create their image.

## Challenge Activities

1. Describe the steps that you would take to check that the information found on Wikipedia is reliable.
2. Create two more completely different Top Trump card template designs. You need to analyse each template design and then decide which template you would like to use to as the final design. Explain the reasons for the choice of template design.
3. Create a tutorial document to explain all of steps involved in creating a Mail Merge in MS Publisher. This must be suitable for a novice user to easily follow.

| Topic Links | Additional Resources |
| :--- | :--- |
| This topic links to: <br> Computing Curriculum: | To further practise and develop your knowledge see: <br> Undertake creative projects that involve combining multiple <br> applications to achieve challenging goals <br> Create and re-purpose digital artefacts for a given audience, <br> with attention to trustworthiness and usability |
| Top Trumps game rules and examples |  |
| Art and Design (using artist skills to create eye-catching <br> visuals) | • YouTube MS Excel Tutorial: youtu.be/k1VUZEVuDJ8 |

Our students will:
$>$ produce creative work, exploring their ideas and recording their experiences
$>$ become proficient in drawing, painting, sculpture and other art, craft and design techniques
$>$ evaluate and analyse creative works using the language of art, craft and design
$>$ know about great artists, craft makers and designers, and understand the historical and
$>$ cultural development of their art forms.
$>$ develop competence to excel in a broad range of physical activities are physically active for sustained periods of time engage in competitive sports and activities
> lead healthy, active lives.

| Keyword | Definition (E) | Key Concepts |  |
| :---: | :---: | :---: | :---: |
| Muertos | Spanish for 'dead' |  |  |
| Dia | Spanish for 'day' | bon: | Mexican heritage elsewhere. The multi-day friends and family members who have died |
| Festival | a day or period of celebration, typically for religious reasons |  | their loved ones awaken and celebrate wit |
| Symbol | a thing that represents or stands for something else, especially a material object representing something abstract. |  | , - |
| Printmaking | the activity or occupation of making pictures or designs by printing them from specially prepared plates or blocks. |  |  |
| Tone | the relative lightness or darkness of a colour |  |  |
| Colour | an element consisting of hues, of which there are three properties: hue, chroma or intensity, and value |  | Scan the QR Code to take you to the |
| Composition | Arrangement of elements within a work of art |  |  |
| Personal Response | Creating your own piece of artwork in response to a theme/artists/style | $9$ | about the Day of the Dead. |


| Retrieval Practice |  |
| :--- | :--- |
| Questions | Answers |
| When is the day of the <br> dead? | A Mexican holiday traditionally celebrated on <br> November 1st and 2nd. |
| What are calaca and <br> calavera? | These are representations of a human <br> skeleton and skull |
| What is tone? | Tone refers to how light or dark something is. <br> Tones could refer to black, white and the grey <br> tones between. It could refer to how light or <br> dark a colour appears. |
| What is block colour? | A colour in a single tone, with no variation |
| What is block print? | This is the process of carving patterns, <br> shapes and designs into a 'block'. The 'block' <br> could be made of wood, lino, metal or <br> polystyrene |
| What is composition? | This is the arrangement of elements within a <br> work of art |

Career Focus - Where could this take you?


## Challenge Activities

Scan the QR Code and watch the video about how the film Coco has honoured the day of the dead celebration. Once you have watched the video make a list of the main aspects of the day of the dead celebration and put into your own words how Coco has portrayed the celebration.


SCAN ME

| Topic Links | Additional Resources | $\left\{\begin{array}{l}\text { 成\}}\end{array}\right.$ |
| :---: | :---: | :---: |
| This topic links to: <br> - MFL - cultural holidays and celebrations <br> - RE - cultural holidays and celebrations | To further practise and develop you knowledge see: <br> the QR Code to take you to a video from The British Museum about the Day of the Dead celebration. | SCAN ME |



| Keyword | Definition |
| :--- | :--- |
| Choreographic <br> Intention | What it makes the audience think, see and feel |
| Projection | The energy the dancer uses to connect with and <br> draw the audience in |
| Dynamics | The quality of the movement |
| Focus | Where the audience looks |
| Cannon | One after the other |
| Facial Expression | Shows the mood of the character |
| Physical Skill | Is a skill that can be developed over time |
| Retrograde | Perform the movements backward, like a film on <br> rewind |
| Repetition | To repeat part of the motif. Either straight after it is <br> performed or later on in the dance. |
| Accumulation | Dancers gradually joining in with a phrase of <br> movement |
| Levels | Dancers change the level a movement is <br> performed on |
| Direction | Performing or travelling the movement facing a <br> different way |
| Size | To change the size of a motif or movement(small <br> becomes large, large becomes small) |
| Juxtaposition | Half the group performs one part of the motif while <br> the others perform something different |
| Canon | Dancers performing the same movements or <br> phrase of movement with a time delay |
| Like a mirror image. Movement is performed on <br> the left by some and the right by others |  |


\section*{CREATING A DANCE MOTIF <br> A motif is the main, often recurring theme or element in a movement sequence. <br> | When creating a dance motif always consider: |
| :---: |
| ACTION |
| SPACE |
| DYNAMICS |
| RELATIONSHIPS |}

Motifs can be created through the use of 5 basic actions:


## Formations in Dance

The way a group of dancers are positioned when they perform
is called formation. it is the shape thoy form.


Vear 8 Working with a theme The aims of the sequence of learning are to ensure that all students:
Year 8 Working with a theme Select and apply a formation to my performance

Intention
Projection

## Dynamics

ocus

Repetition

## Accumulation

Levels
Direction

## Canon

\& Newsome
Year 8 Norking with a theme The aims of the sequence of learning are to ensure that all students: and Stimulus


| Questions | Answers |
| :--- | :--- |
| What is a motif? | A motif is a movement phrase (A small <br> dance) with an idea that is repeated and <br> developed through the piece. |

## What is motif development?

## What are the three

 action developments?
## What are the three

 space developments?What are the three relationship developments?

Motif development is where you use one of the below to change the original movement. This will allow it to become more interesting

Retrograde, repetition and accumulation

Levels, direction and size

Juxtaposition, canon and mirroring

## Career Focus - Where could this take you?



## Challenge Activities

## Dance Quiz

## Choreography - Jay Revell

## Choreography - Kyle Hanagami

| Topic Links | Additional Resources |
| :---: | :---: |
| This topic links to: <br> - Drama Performance skills <br> - PE - Physical skills <br> - English - Understanding terminology and verbs. <br> - Maths - Problem solving | To further practise and develop you knowledge see: <br> - https://www.aqa.org.uk/resources/dance/gcse/dan ce/teach/subject-specific-vocabulary <br> - https://www.onedanceuk.org/wp-content/uploads/2016/03/Motif-and-development-for-NDTA.pdf |

Newsome Academy


| Storytelling | Mime |
| :--- | :--- |


| Body Language | Projection |
| :--- | :--- |


| Facial expression | Performance |
| :--- | :--- |

Characterisation

Volume

| Devising | Timing |
| :--- | :--- |
| Gesture | Pause |
| Space | Pace |


| Levels | Posture |
| :--- | :--- |
| Improvisation | Hot-Seating |
| Soundscape | Unison |



Key Concepts

## Thinking Questions

- How am I showing my character?
- What is my body language?
- How is it different to my normal?
- What is my character feeling?
- Do my facial expressions match this?
- What is my posture like?
- How do I walk? What is my gait like?
- How do I react to the other characters?
- How close do I stand next to others?
- Where is the scene set?
- What sounds are needed in the scene?
- How can I make the sounds?
- How loud, or quiet should they be?


## Techniques:

Body as a prop ( Using your body to create physical objects, settings and characters)
Characterisation (Making and being in character that is different to yourself)
Posture (How you stand and how that is different to you normally)
Soundscape (Used to add effect and meaning to scenes and on-stage action)


## PHYSICAL THEATRE

You will be developing your knowledge and understanding of DRAMA, PHYSICAL THEATRE, STORYTELLING, DEVISING and CHARACTERISATION. These are key drama skills that you will need. We will be creating PHYSICAL PERFORMANCES and characters for improvised performances.

## A good physical theatre performance

Will have a range of different believable characters. It will use a set scenario or one you have made up. The audience will be able to understand what is happening and will be engaged by the action and the storyline

## Assessment

You will take part in several peer and self assessment tasks over the project, as well as your teacher assessment. receiving feedback from your teacher.
Your assessment for this Topic will be based on creating physical and vocal representations of objects and settings, for the devising of performances, before evaluating them.

## Year 8 Physical Theatre

The aims of the sequence of learning are to ensure that all students:
develop knowledge of what Drama Elements mean.
develop drama technique and skills.
Identify and perform drama


## Career Focus - Where could this take you?



I am a Physical theatre performer. Knowledge of different movement traditions, such as mime and clowning is very important. Being able to utilize your facial expressions, body language, posture, spatial awareness, and physicality to tell a story is key to engaging the audience.

## Challenge Activities

Brainstorm your ideas for a piece of physical theatre you would like to create, based on an activity you have undertaken in a lesson.
Focus on themes and stories you would like to communicate in this practical work
Structure your ideas by creating a flow chart of the story and highlight key scenes. Or write a step-by-step list of what should happen in each scene.

Music:
Find a piece of music that represents the theme of your physical theatre piece.
Explain why you chose the piece of music and which part of your work it will be used in.

| Topic Links | Additional Resources |
| :---: | :---: |
| Dance | If you want to do more and extend yourself in |
| Physical Education | Drama...Explore the Arts as a participant |
| Music |  |
| English | Watch to learn more about physical theatre |
| Maths |  |
| Science | https://youtu.be/9JzdIPSdAmE?t=1 |
| Art |  |

The aims of the sequence of learning are to ensure that all students:
Define the terms nutrient, macronutrient and micronutrient - Describe the function of nutrients in the body


## Retrieval Practice

| Questions | Answers |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| What are nutrients? | Nutrients are the building blocks that make up food and have specific and important roles to play in the body. Some nutrients provide energy while others are essential for growth and maintenance of the body. |  |  |  |  |
| What do vitamins do? | They help to keep our immune system up and help our body to stay healthy they are important for body maintenance |  |  |  |  |
| What do minerals do? | Help to keep our immune system up and help our body to stay healthy. Vitamins and minerals are Micronutrients. |  |  |  |  |
| What is a food allergy? | Food Allergy is an immune reaction by the body against a particular food. <br> Symptoms of a person having an allergic reaction can include: <br> Rash <br> Itchiness <br> Vomiting <br> Swelling of ; lips/face/throat <br> Difficulty breathing If untreated, a person can go into anaphylactic shock and can die from an allergic reaction. |  |  |  |  |
| What should you do if someone has an allergic reaction? | If you suspect someone is having an allergic reaction you must seek help. <br> They will either need to take antihistamine if the reaction is mild (e.g. just a skin rash) OR they will need to have adrenaline administered by injection (e.g. by EpiPen) if their reaction is severe - in which case an ambulance must be called. |  |  |  |  |
| What are the most common foods that cause allergies? | Foods containing gluten, present in wheat, barley and rye |  |  |  |  |
|  |  | Soybeans 37 |  |  | Moluscs |
|  |  | Mustard | Sesame seeds <br>  |  |  |

Career Focus - Where could this take you?


Challenge Activities

Produce an information leaflet to encourage teenagers to eat a wide range of nutrients, include information on malnutrition.

| Topic Links | Additional Resources |
| :--- | :--- |
| This topic links to: <br> SSience - to be curious about how to maintain a healthy, <br> balanced diet, in both a theoretical and practical context. | To further practise and develop you knowledge see: |
| PE - to promote lifition, digestion and excretion participation in physical activity <br> alongside leading creative and healthy active lifestylyes. <br> Understanding how your body works, working with others <br> and being physically active are a crucial part of leading a <br> healthy happy life | Healthy diet |

## Year 8 Keyboard Skills and Blues Music

| Keyword | Definition |
| :--- | :--- |
| Stave | Five lines and four spaces on which we write musical notes |
| Treble Clef | A musical symbol that indicates the pitches of notes above <br> middle C |
| Barline | A vertical line that separates bars in music |
| Pitch | How high or low a sound is |
| Rest | Then we do not play on a beat |
| Technique in which we play the musical instrument |  |
| Fluent | To perform without hesitation |
| Accuracy | A bass pattern used in Blues music where the notes walk up and <br> down the instrument |
| Walking bassline pitches, rhythms and technique |  |
| Improvisation | To make something up as you go along |
| Chord | A song that is sung whilst people work |
| Mainor | A sad sounding chord |
| A string instrument with six strings, used in Blues music |  |



## Learning Objectives

## Keyboard Skills

What a stave is and how to read basic notation
Keyboard technique including 5 finger position, scales and fingerings
What a chord is a how they are built - the three main Primary chords C, F and $G$ as well as A minor
To perform either the bass line, chords or melody of Stand By me using keyboard technique

## The Blues

Learn and understand how Blues music developed, the typical instruments used and some of the musical features.
Identify musical features within Blues music and explain the musical features that make it Blues music
Perform the 12 bar blues chord sequence accurately, fluently and confidently. I can repeat the 12 bar blues.
Learn how to perform a blues style bass line
Learn what improvisation is and how to do this using the blues scale


## Year 8 Keyboard Skills and Blues Music



THE BLUES SCALE

Career Focus - Where could this take you?


## Challenge Activities

Work through this worksheet to help you learn the notes on a stave KEYBOARDSKILLSTHEORY1.docx

And now have a go at this quiz!
Keyboard Topic Quiz
Read this information on a piece of music and listen to it using the following link: Debussy - La cathédrale engloutie
Think about how Debussy has used the piano to create the impression of a sunken cathedral. You can write up your thoughts as a mind map.

| Topic Links | Additional Resources |
| :--- | :--- |
| Band Skills | Listen to these songs: |
| Rhythm \& Pulse |  |
| Geography - understanding the movement of people |  |
| from Africa to America and other parts of the world | Crossroad Blues - Robert Johnson |
| History - learning about the Slave Trade <br> Literacy - keywords and spellings <br> Bumeracy - Counting, rhythm, understanding patterns Smith - Nobody Knows You When | You're Down and Out <br> Billie Holiday - Lady Sings The Blues |

## Year 8 Exploring World Music Theory

| Keyword | Definition |
| :--- | :--- |
| Scale | A pattern of notes increasing or decreasing in pitch. <br> $\mathrm{T}=$ Whole Tone $\mathbf{S}=$ Semitone |
| Major Scale | The pattern for the major scale is: <br> $\mathrm{T}, \mathrm{T}, \mathrm{S}, \mathrm{T}, \mathrm{T}, \mathrm{T}, \mathrm{S}$ |
| Minor Scale | The pattern of the minor scale is: <br> $\mathrm{T}-\mathrm{S}-\mathrm{T}-\mathrm{T}-\mathrm{T}-\mathrm{T}-\mathrm{S}$ |
| Pentatonic scale | A scale that uses only five notes. <br> The pentatonic scale uses the root, second, third, fifth, and <br> sixth of a scale |
| Enharmonic | relating to or denoting notes which are the same in pitch <br> (in modern tuning) though bearing different names <br> (e.g. F sharp and G flat or B and C flat). |
| Off Beat | When beats 2 and 4 are accented/emphasised. |, | A note that is sustained for a long time. Usually quite low |
| :--- |
| in pitch. |

Every culture developed an understanding of music independently. Because of this, some cultures make music differently to the way we do in It's similar to translating a foreign language into one we can understand.

## Career Focus - Where could this take you?



At Newsome, British values are the school values. Respect and tolerance are one of those core British values. We can only scratch the surface of some of the unique and vibrant music from different cultures around the world in one unit of work. It is still important that we learn as much as we can. Different people around the world have many different ideas for how to make music. This unit will open you up to a wide variety of different musical styles and challenges and will improve your ability to adapt and improvise.

| Topic Links | Additional Resources $\left\{\begin{array}{l}\text { 艮 }\end{array}\right.$ |
| :---: | :---: |
| This topic links to other topics such as: <br> - Geography <br> - RSHE - Learning about the cultural, historical and religious background of India, Jamaica and China. <br> - Drama <br> - Maths - sequences and patterns in scales | BBC Bitesize - <br> https://www.bbc.co.uk/bitesize/guides/z6ch8xs/revision 14 <br> Free online djembe lessons and information: <br> https://afrodrumming.com/ |

Popular Chinese Instruments:


## Challenge Activity

Choose a random letter between A and G . Using the major scale pattern (T,T,S,T,T,T,S) try and figure out the major scale for that note.

Key Concepts - Scales

The Eb and Gb pentatonic scales are the most common scales in traditional Chinese music.


A scale is a sequence of notes that go up in pitch. Every scale follows a pattern of steps. The pattern for a major scale is: $\mathrm{T}, \mathrm{T}, \mathrm{S}, \mathrm{T}, \mathrm{T}, \mathrm{T}, \mathrm{S}$


Each step in a scale is called a scale degree. A pentatonic scale is a scale that misses out the $4^{\text {th }}$ and $7^{\text {th }}$ scale degree

## Indian Ragas



Key Concepts - Tones and Semitiones


If we move from one key to the very next key on a piano, we call this a semitone (S)


If we move up two keys on a piano we call this a Tone ( T )

## The Evolution of Reggae

| Mento-1950s | Ska - Early 1960s | Rocksteady - Late 1960s | Reggae - Late 1960s to 1980s |
| :---: | :---: | :---: | :---: |
| - Jamaican folk music <br> - Banjo accompaniment <br> - Fast tempo <br> - Lighthearted lyrics <br> - Bass lines played on double bass | - Walking bass line <br> - Electric and brass instruments <br> - Fast tempo <br> - Lyrics about social issues | - Mainly electric instruments <br> - Lots of electric bass riffs <br> - Slow tempo <br> - Drums often miss out the first beat of every bar | - Jamaican folk music <br> - Lots of bass riffs <br> - Slow tempo <br> - Lyrics about social issues, love, peace, religion, war. |

## 'Three Little Birds' by Bob Marley and the Wailers Chorus



## The Offbeat

In most western music beats 1 and 3 are usually given emphasis. Beats 2 and 4 are called the offbeat. In most Jamaican music (especially reggae) the emphasis is given to beats 2 and 4 . In 'Three Little Birds' (left) the chords are placed on beats 2 and 4 to give this song it's typical reggae rhythm.

## Further Listening

'You Can Get It If You Really Want It' by Desmond Decker
‘Baby I Love Your Way’ by Big Mountain. A reggae cover of a non-reggae song
'Superman' by Goldfinger. A more modern genre called ska punk that fuses ska with pop and punk.

## Challenge Activities

Listen to 'I Can't Help Falling in Love With You' by Elvis Presley and compare it to the reggae cover version by UB40. What reggae features does the UB40 version include?

| Keyword | Definition |
| :--- | :--- |
| Riff | A short, repeated, 'catchy' phrase in popular <br> music, typically used as an introduction or <br> refrain in a song. Often played on a guitar |
| Hook | A short riff, passage, or phrase, that is used <br> in popular music to make a song appealing, <br> memorable and "catchy". |
| Key | The main group of notes/pitches that are <br> used throughout a piece of music. |
| Composition | a song or piece of music |
| Ensemble | A group of musicians |
| Band | A group of musicians. (Most often used in <br> pop music) |
| Rehearsal | A set time a band get together to practise <br> and learn their songs. |
| Performance | When a musician or group of musicians play <br> music, usually to an audience. |

## Career Focus - Where could this take you?



Being in a band will really strengthen your time management. Getting to rehearsals, gigs and studio sessions on time is vital in our band. While we don't always get along, we have to overcome these While we don talways get along, we have to
difficulties and learn to work well with others.
difficulties and learn to work well with others.
Through the years we have developed our creative thinking skills by coming up with ideas and writing over 150 songs! In the early days we had to organise gigs, rehearsal spaces and recording studio time as well as spreading the word about our gigs and albums. Now we employ people who do this for us. There are many music careers aside from being in a band, such as: Promotion, marketing, roadies, live/studio engineers, tour bus drivers, band management, song writers, stylists and many more.

## Challenge Activities

1. Create your own guitar or piano riff using a scale (eg. Pentatonic, Minor)
2. Here is a compilation of riffs played using the pentatonic scale. See how many you can play on an instrument: https://www.youtube.com/watch?v=9teYiPih-X8\&ab channel=MartyMusic

Further listening:
Famous Guitar Riffs: The White Stripes - 'Seven Nation Army',
Deep Purple - 'Smoke on the water'
Famous Bass Riffs: Queen - 'Another One Bites The Dust'
Pink Floyd - 'Money'
Famous Keyboard Riffs: Van Halen - 'Jump’ Prince - '1999

| Topic Links | Additional Resources |
| :--- | :--- |
| This topic links to other topics such as: <br> - Drama - General skills (voice projection, stage presence, <br> costumes) | BBC Bitesize: <br> https://www.bbc.co.uk/bitesize/guides/z6ch8xs/revision/4 |
| - Music - Voice 21 Oracy skills (through performance) |  |$\quad$| Billboard list of the 25 catchiest hooks ever: |
| :--- |
| https://www.billboard.com/music/music-news/greatest- |
| catchiest-pop-hooks-ever-6731053/ |

## Key Concepts

'Seven Nation Army’ by The White Stripes - Tabs

## Ukulele



Guitar


## Bass



D | - - - - - - - - - - - - - - - - - -
A|--7-7-10-7-5-3-5-3-2--
E|--------------------------

Instruments in a Typical Popular Music Band


The aims of the sequence of learning are to ensure that all students: Can identify at least five core skills required for invasion games Demonstrate basic core skills such as a shoulder pass in isolation

| Keyword | Definition |
| :--- | :--- |
| Pass | keep possession of the ball by <br> maneuvering it between different <br> players with the objective of <br> advancing it up the playing field |
| Catch | to receive the ball from another <br> player and keep possession |
| Defend | to resist the attack of the opposing <br> team |


| Attack | an opposing team with the <br> objective of scoring points or goals |
| :--- | :--- |


| Tackle | trying to take the ball from an <br> opponent |
| :--- | :--- |


| Intercept | Obstruct someone/something from <br> getting to their desired <br> position/destination |
| :--- | :--- |
| Tactics | A strategy planned and <br> implemented to achieve a set goal |

Key Concepts
Pressure

| Closest defender moves towards the |
| :---: |
| attacker with the ball - aim to slow |
| the attacker down or guide them into |
| a certain direction |


| When a defender puts pressure on |
| :---: |
| the attacker - the other defenders |
| cover the space the defender left. |

To create space in front of the goal send the ball
wide to move the defenders out of position-
giving an easy chance to shoot at goal.

You should already know:

- The aim of invasion games
- The name of at least 3 invasion games
- The basic principles of invasion games - The core skills required to be successful in invasion games


You will be assessed on

- Understanding
- Technique in isolation
- Technique in game
- Leadership
- Attitude to learning



## Retrieval Practice

| Questions | Answers |
| :--- | :--- |
| What are the core <br> Netball skills? | Chest pass, Bounce pass, Shoulder pass, <br> Overhead pass, Two-footed landing, One- <br> footed landing, Shooting, Pivot, Man <br> Marking and Dodging |
| What are the Netball | Goal keeper, Goal defence, Wind defence, |


[^0]:    Links across school
    Culture (Art)
    Pop Art Portraits (Photography)
    Applying Choreographic Skills (Performing Arts)

[^1]:    Add and subtract fractions with different denominators (one multiple)

