English

Topic
• Story Mountain • ISPACE Sentence Starters • Techniques • Sentence Types • Using Sentence Types for Effect • Punctuation

Maths

Topic
Averages • Mean median and mode from a list. • Mean median and mode from a table. • Range from data. • Compare data sets with mean, median, mode and range.
Statistical diagrams: • Draw and interpret pie charts. • Draw and interpret bar charts. • Draw and interpret line graphs.
Algebra: • Collect like terms. • Simplify expressions. • Expand single and double brackets. • Rules of indices. • Solve equations (one step, two step and unknowns on both sides). • Form and solve equations from worded questions. • Rearrange formulae to change the subject.
Linear graphs: • Draw graphs of x = a and y = a (where ‘a’ is a number). • Find the gradient and y intercept from a graph. • Find the gradient and y intercept from an equation. • Write an equation for a line from its graph. • Write an equation for a line from its gradient and y intercept. • Write equations of parallel lines and perpendicular lines.
Number:

• Order decimals. • 4 operations (+, - ,x ,÷) BIDMAS. • 4 operations (+, - ,x ,÷) with fractions and decimals. • 4 operations (+, - ,x ,÷) with negative numbers. • Percentages of amounts. • Percentage change.
Ratio and proportion: • Best buy problems. • Simplifying ratio. • Splitting numbers in a given ratio.
Shapes: • Properties of triangles (Equilateral, Isosceles and scalene). • Angles in triangles. • Angles around a point. • Angles in isosceles triangles. • Angles on a straight line.

Science

Topic
Biology- Key concepts in Biology
Chemistry- Separating Techniques
Physics- Waves and the Electromagnetic Spectrum

Technology

Topic
Ergonomics
Lamination
Forming

Computing

Topic
LAN and WAN networks
Cloud Computing
Hardware and Software
Network Topologies
Connection Methods
Stop Frame and Keyframe Animations
Blender Software tools and shortcuts
The difference between software and applications

PE

Topic
use skills that they have learnt previously and implement in their current sporting activity.
successful and competent across a range of skills associated with the activities they have been studying in PE
acquired new skills and techniques and is able to apply them in a variety of situations
understanding of how different factors in lessons can impact on their own performance and the performance of others
identify strengths and weaknesses in their own and others performances and can offer feedback to improve themselves and others
outwit their opponent during their activities or can demonstrate a high degree of confidence in their body positions and gestures in aesthetic based activities
shows a keen interest in PE enrichment clubs and attends on a regular basis
understand and explain the benefits that exercise has and how this can link to a healthy, active lifestyle in future life
shows leadership attributes which benefit them in a team setting as part of their activities.
able to use tactics/strategies/creative ideas to be successful in their activity or performance

Food

Topic
Where does food technology lead to.
Food hygiene and safety.
Correct storage of food.
Fridge theory.
Bread Making theory.
Seasonal Foods.
Jam Making.
Buying British foods importance.
Food presentation.

French

Topic
Family members
Marriage/plans for future
Les descriptions physiques (physical descriptions)
Les descriptions du caractère (character descriptions)
Family relationships
avoir - to have
être - to be
Comparatives (plus/moins…que)
Superlatives (le/la plus…)

History

Topic
I can describe the **MAIN** causes of World War One
I can explain how the assassination of Archduke Franz Ferdinand led to the outbreak of war
I can describe methods used by the government to recruit soldiers for war
I can describe what life was like in a trench
I can explain the impact of trench warfare
I can explain how technology changed in warfare
I can understand historical interpretations of the role of the 'forgotten armies' in the war
I can describe the experiences of the forgotten soldiers
I can describe trench illnesses and the impact they had
I can assess different reasons why the allies won the war

Geography

Topic
I can explain what natural hazards are and the difference between atmospheric and geological hazards
I can explain plate tectonic theory and how convection currents impact plate movement
I can draw, label and explain what happens at plate boundaries and what hazards are found there
I can assess how serious the Chile earthquake was and how effective the responses were
I can assess how serious the Haiti earthquake was and how effective the responses were
I can compare the differences and similarities between composite and shield volcanoes
I can explain what the 3 P's are and how they can be used to manage earthquakes
I can explain the reasons why people choose to live in areas of tectonic activity
I can explain the causes, effects and responses to the Boxing Day Tsunami

Art

Topic
Observing the scale and proportions of an animal
Use simple mark making to add fine details like fur and reflections in the eye
Add doodles inspired by Kerby Rosannes

RE

Topic
The causes and effects of crime
The 10 commandments and their relevance
Christian attitudes to punishment
The death penalty; types, arguments for and against including religious beliefs.

Music

Topic
Note names
Note duration
Sharps and flats
Horror inspired music