Knowledge Map – Term 3
Key Stage 3

English

Reading contemporary fiction:

Know how to analyse the image and predict the outcome of a novel based on the image and blurb.

Know how to use key vocabulary from a text to create an image.

Know how to analyse how language effects our impressions of a character.

Know how to write from the perspective of a character taking into consideration their attitude.

Know how to analyse the use of writing for tension and how it effects the audience.

Know how to consider alternative meanings of a piece of text.

Maths

Ratio, Proportion and Rates of Change:

Know how to identify, compare and order fractions.

Know how to calculate fractions of a quantity.

Know how fractions can be represented as percentages.

Know how to appropriate vocabulary linked to ratio and proportion.

Know how to calculate the amount of a number using fractions and percentages.

Know how to explore ratio notation.

Know how to express quantities into a ratio.

Know how to enlarge shapes by a scale factor.

Know how to use scale factors to read maps and a scale diagram.

Know how to calculate rates of change.

Know how to read graphs to convert between two measures.

Science

Energy:

Know how to identify different energy stores that objects have and explain why they have each store of energy.

Know how to identify when stores of energy change and describe causes of energy transfer between stores.

Know how energy is measured and how to calculate power.

Know about the use of fossil fuels in the generation of electricity.

Know how to evaluate alternative energy resources.

Know how to compare the energy values of different foods.

RE

Social action:

Know what social action is and why it matters.

Know what faith based Social Action is.

Know the links between social action and the Christian church.

Art/DT

Abstract Art:

Know what abstract art is.

Know specific famous artists and what are the key points to an abstract art picture.

Know how to use colours and lines for different moods.

Music

Using notations in musical styles, genres, traditions:

Know how to perform word-pattern chants; create, retain and perform their own rhythm patterns.

Know how to follow pictures and symbols to guide singing and playing.

History

Britain's transatlantic slave trade: its effects and abolition:

Know the term slavery.

Know who was involved in the transatlantic triangular trade route.

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Know the difference between social action and social justice. Know religious attitudes towards social justice.	Know how mood can be represented with various colours. Know how to recreate a piece of art in the style of Kandinsky. Know how music can be interpreted to create art.	Know how to combine known rhythmic notation with letter names to create rising and falling phrases.	Know the effects of the transatlantic slave trade. Know the experiences of enslaved people and plantation life. Know key facts about the abolition of the British slave trade. Know how slavery is remembered in Britain today.
PSHE Drug & Alcohol Awareness: Know what alcohol is. Know how to identify an alcoholic drink. Know the effects alcohol can have. Know what drugs are. Know how to identify a legal drug. Know how to identify an illegal drug. Know the effects drug misuse can have.	**Relationship Sex Education** Feelings, attitudes and mental wellbeing: Know how puberty can impact on emotions. Know feelings of attraction. Know the concept of a partner.	**Computing** Semaphores to the Internet: Know how to define what a computer network is. Know how data is transmitted between computers across networks. Know the hardware necessary for connecting devices to networks. Know how to compare wired to wireless connections. Know how data travels between computers across the internet. Know the difference between the internet, its services, and the World Wide Web. Know the components and how they work together.	