

## What your child will be studying this term – Year 6

### Crime and Punishment

#### English

In English, we will continue to build on our reading skills, using extracts from a range of fiction and non-fiction texts. We will continue to build on our understanding, including summarising main ideas from more than one paragraph and explaining how meaning is enhanced through the author's choice of words and phrases. We will continue to expand our vocabulary and use our knowledge to identify the word class (e.g. if it is a noun or an adjective etc) as well as finding synonyms and antonyms. We will continue to read for pleasure and confidently choose texts and authors based on our likes. In writing, we will use 'Thief.' We will write for a range of purposes and show an awareness of the reader. We will begin to vary the familiarity of writing depending on the text type. We will use a range of sentence types and lengths for effect and use devices such as adverbials for precision and cohesion. We will ensure our writing is punctuated correctly. We will develop our understanding of figurative language, using similes, metaphors and personification. We will accurately spell words from the Y5/6 word list. We will ensure that we use a neat, joined up style of handwriting.

#### Maths

In maths, we will be focusing on number this term using the White Rose maths programme. We will be learning

- place value of numbers to 10 million
- rounding
- negative numbers
- roman numerals
- addition and subtraction of numbers up to 5 digits
- multi-step problems
- long and short multiplication
- squared, cubed and prime numbers
- factors
- BODMAS
- fractions

#### Science – White Rose

We will be learning about living things and their habitats. We will group and classify animals and plants. We will also explore and classify microorganisms and learn about the work of Carl Linnaeus. We will also be learning about electricity. We will construct and draw series circuits using symbols and explore variations in circuits. We will complete a fair test exploring voltage. As well as this, we will learn about renewable energy and understand the impact of renewable and non-renewable energy sources on the environment.

#### Computing – algorithms, coding and programming

We will learn how to troubleshoot a program that is not working using the original algorithm. We will know that variables can be used to control outcomes and know that there is a code 'behind' block-based programming tools. We will learn to plan and program a simple interactive activity independently and edit and modify other people's codes and programs.

#### History – Crime and Punishment

We will place major historical periods on a timeline and create a glossary of terms associated with crime and punishment throughout the ages. We will learn about Roman crimes and how the Roman justice system has influenced the justice system today. We will learn about how crime and punishment was dealt with in different eras and learn about the bloody code. We will also learn about the transportation of criminals to Australia and describe life on a penal colony. We will understand the experiences of Victorian prisoners.

We will compare crimes today with crimes in the past.

#### Art – Access art

We will be focusing on 2D drawing to 3D making. We will become familiar with the idea that artists can paint on wood to create flat, standing images which viewers can walk amongst. We will start to create 'flat yet sculptural' artwork.

#### D.T – Kapow

We will learn how to write and follow a recipe. We will then undertake taste testing and score final products. As well as this, we will be developing our digital skills using CAD.

#### R.E

We will be learning about art in Christianity and the celebrations which different religions enjoy.

#### PSHE – relationships

We will be learning about developing respectful relationships. We will also explore stereotypes.

## Vocabulary for the Autumn term

### Science – Living things and their habitats

<b>Organism</b>	A living thing such as an animal or plant
<b>Molluscs</b>	A soft-bodied invertebrate, including slugs and snails
<b>Arachnids</b>	An invertebrate with 2 body parts and 8 legs, including spiders and scorpions
<b>Coniferous trees</b>	Trees that produce cones instead of flowers
<b>Microorganisms</b>	Tiny organisms such as bacteria, viruses and fungi
<b>Bacteria</b>	Simple, tiny invisible (to the eye) microorganisms
<b>Viruses</b>	Tiny microorganisms that need a host
<b>Fungi</b>	A group of organisms including mushrooms, mould and yeast

### Science – Electricity

<b>Series circuit</b>	A circuit where all the components are in one single loop
<b>Current</b>	The flow of electricity in a circuit
<b>Voltage</b>	Causes the current to flow
<b>Cell</b>	A source of electrical power (voltage)
<b>Battery</b>	A source of electrical power (voltage.) A battery is more than one cell

### Science – Renewable energy

<b>Solar power</b>	Using light from the sun to generate electricity
<b>Non-renewable</b>	Energy sources that will eventually run out, such as fossil fuels (coal, oil and natural gas)
<b>Global warming</b>	The gradual increase in the Earth's temperature
<b>Greenhouse gases</b>	Gases that trap the heat from the Sun and cause the Earth to warm up

### History – Crime and Punishment

<b>circa</b>	Approximately (used especially with dates)
<b>era</b>	A period of time starting from a special event or date.
<b>jury</b>	A group of citizens chosen to hear and decide the facts of a case in a court of law.
<b>justice</b>	Upholding what is fair, just and right.
<b>outlaw</b>	A person who has broken the law and is hiding or fleeing to avoid punishment.
<b>perpetrator</b>	Someone who carries out a crime.
<b>revolt</b>	Rise up and fight against the government/ other authority.
<b>verdict</b>	Decision reached by a jury.
<b>victim</b>	Someone who is hurt, injured or killed by a person, group or event.

## Ways in which you can help your child

- Ensure your child reads at home every night and discusses what has been read - ask your child to predict and summarise
- Develop your child's inference skills - can your child use clues in the text to tell you more about the characters?
- Identify words which your child doesn't know the meaning of - can they find the definition and use in their own sentence?
- Take one of the words and create a word of the week - how often can your child use it?
- Practise spelling words from the Year 5/6 word list - can your child write them in sentences?
- Look at different texts read and decide if they are formal or informal by the language used - create a glossary of formal language
- Practise joined up writing every day - ensure that your child is able to join up and can write neatly and fluently
- Go on mathematics and times tables rock stars
- Check your child knows their times tables and can recall them quickly - can they apply this to associated facts (e.g.  $4 \times 4 = 16$  so  $4 \times 40 = 160$ )
- Look at a number square - how many squared, cubed and prime numbers can your child find?
- Visit the Clink Prison museum or the Tower of London or go on their website
- Research Robin Hood - was he a hero or villain?
- Research the work of Carl Linnaeus
- Recreate come dine with me with family members - who gets the winning score?

## Year 5 and 6 Statutory Spellings

accommodate	category	determined	forty	marvellous	programme	soldier
accompany	cemetery	develop	frequently	mischievous	pronunciation	stomach
according	committee	dictionary	government	muscle	queue	sufficient
achieve	communicate	disastrous	guarantee	necessary	recognise	suggest
aggressive	community	embarrass	harass	neighbour	recommend	symbol
amateur	competition	environment	hindrance	nuisance	relevant	system
ancient	conscience	equipment	identity	occupy	restaurant	temperature
apparent	conscious	equipped	immediate	occur	rhyme	thorough
appreciate	controversy	especially	immediately	opportunity	rhythm	twelfth
attached	convenience	exaggerate	individual	parliament	sacrifice	variety
available	correspond	excellent	interfere	persuade	secretary	vegetable
average	criticise	existence	interrupt	physical	shoulder	vehicle
awkward	curiosity	explanation	language	prejudice	signature	yacht
bargain	definite	familiar	leisure	privilege	sincere	
bruise	desperate	foreign	lightning	profession	sincerely	