

# A Guide to Year Five at Neroche Community Primary School



2021-2022

## **General Information**

Year 5 - Pine Class - is taught by Mr Allington and Mrs Lloyd is the TA in the class. The classroom is situated in the middle of the school between the Year 4 and Year 6 classroom. When the children arrive in the morning, they carry out reading, writing or maths related independent activities until the register. Break time is at 10.15. The children can bring their own healthy snack to eat at this time. Lunch is at 12.00, followed by outdoor play until 1.00. Assemblies will then take place in Pine classroom with Mr Allington. All children should bring a named water bottle in order to have access to a drink throughout the school day.

## **Spellings**

Year 5 spelling rules are taught each week as well as Year 5&6 Common Exception Words that derive from the National Curriculum word list for Year 5&6. Each week the children will be learn a new spelling rule, alongside 2 to 4 common exception words to remember. The new rule and associated spellings will be placed on Google Classroom on Fridays. A weekly spelling rule check will take place on a Thursday afternoon.

## **Reading**

Children in Year 5 will continue to use the reading programme Accelerated Reader and will take an online test in school to determine their ZPD range. In Year 5, we expect children to read a wide range of books from a variety of genres for pleasure, including those accessible to them in their range at school. The class teacher will continue setting children targets where they can earn their star badges. The children will continue working towards achieving their millionaire trophies. Children can continue to take part in the voluntary reading challenges set each term in order to gain reading challenge badges.

In Year 5, children will be exposed to books relating to their topics within English lessons. They will also take part in adult-led Whole Class Reading sessions each week. This will involve reading and analysing a text together and answering targeted comprehension questions independently. Year 5 will be provided with different opportunities throughout the day to read their own books independently. The class will also have an author focus every term, with a book being read by Mr Allington or Mrs Lloyd every day.

## **Writing**

In Year 5, the children continue to follow English units of learning that result in extended pieces of writing which relate to their current curriculum topics or science work. This will include a variety of genres, both Fiction and Non-Fiction.

For more information on curriculum coverage, please see the English Overview in the Curriculum Subjects area of the school website.

Grammar and punctuation aspects will be linked to the English lessons; this is to ensure that grammatical devices are given a context. At times, grammar will also be taught as a discrete lesson.

The expectation at Year 5 is for children to use discussion time in English to generate and share ideas, but for each writing task to be an independent activity where the children combine all of their skills together to produce each text. The teacher and TA are on hand to support when needed with questions over grammar/punctuation, but the children will have their own ideas to record. Children are expected to check their own spellings with a dictionary.

After each extended text has been produced, the children are able to edit their work independently, and with partners, using Purple Polishing Pens. In Year 5, children will at times re-draft their writing based on their editing to produce their final piece.

## **Maths**

In Year 5, Maths focuses on consolidating and building upon knowledge and concepts from Year 4. Practical experiences and the use of visual and physical aids are still valued. Four lessons a week focus on a particular concept of Maths, whilst one lesson a week focuses on maths fluency: consolidating place value knowledge and understanding of number concepts. The children continue to have access to Mathletics and Times Table Rockstars; online programmes that they can use for online maths learning at home and at school. Children will have Maths reinforcement home learning set home each week through Google Classroom. This will focus on reinforcing Maths fluency skills taught in class. Children are expected to be fluent in their times table and division facts up to 12x12. When children have successfully gained fluency in their times tables up to 12x12, they will have the opportunity to become 'Times Table Champions'. This could involve leading a times table lunch club or assisting children with their times tables in lessons.

### **Children are exposed to and expected to have knowledge of the following objectives:**

- read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit; count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000; interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0; round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000
- read Roman numerals to 1,000 (M) and recognise years written in Roman numerals
- add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction); add and subtract numbers mentally with increasingly large numbers; use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

- Have a knowledge of and use the following: multiples, factors and factor pairs, prime numbers, prime factors, squared and cubed numbers; short and long multiplication methods (4 digit multiplied by 1 or 2 digit numbers); short division method (4 digit divided by 1); multiply and divide numbers mentally, including multiplying whole numbers and decimals by 10,100,1000.
- Compare and order fractions whose denominators are all multiples of the same number; identify, name and write equivalent fractions of a given fraction; recognise mixed numbers and improper fractions and convert from one form to the other; add and subtract fractions; multiply fractions by a whole number; read, write and convert between decimals, fractions and percentages.
- Convert between metric and imperial measures; measure and calculate the perimeter of composite rectilinear shapes; calculate area of rectangles and estimate the area of irregular shapes; estimate volume.
- Identify 3D shapes from 2D representations; estimate and compare acute, obtuse and reflex angles, draw and measure angles, identify angles around a point/half turn/full turn/straight line; find missing lengths and angles; identify, describe and represent the position of a shape following reflection and translation.
- Solve comparison sum and difference problems presented in a line graph; complete, read and interpret information in times tables.
- Worded problems involving all of the above.

### **Science**

Science units will continue to be taught in blocks once a week. In Year 5, children will be exposed to the topics: Properties and changes in materials, Animals including humans, Living things and their habitats, Earth and Space and Forces. As well as this, children will build upon their scientific enquiry skills.

### **PE**

In Year 5, PE is taught twice a week. The children will participate in the following sports; cross country, hockey, netball, tag rugby/football, dance/yoga, gymnastics, tennis, racket sport, cricket, athletics, rounders and forest school. Each half term the children will focus on 2 of these. This enables the children to master the following skills;

- Use running, jumping, throwing and catching in combination.
- Play competitive sports understanding the key principles.
- Develop flexibility, strength, technique, control and balance.
- Take part in outdoor and adventurous activity challenges both individually and within a team.
- Compare their performances with previous ones and demonstrate improvement to achieve their personal best.

### **RSHE**

In Year 5, the children are on a rotation of activities throughout the year and have a 40 minute to an hour session as a whole class. Activities will include basic first aid, peer pressure and smoking, puberty, looking out for others, anger and acceptance. This will be taught through online videos, whole class discussions and independent work.

### **History**

In Year 5, History is taught in three of the six half terms across an academic year. The children learn about the Mayan civilization and compare this to British history. The children will also learn about the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor. The children will be mastering their questioning and enquiry skills.

### **Geography**

In Year 5, Geography is taught in three of the six half terms across an academic year (the opposite half terms to when history is taught). The children learn about lines of longitude and latitude and learn about different times zones. They will also develop their map and fieldwork skills. The children will also study rivers around the world, including comparing land use and comparing geographical features.

### **Design Technology**

In Year 5, DT is taught in three of the six half terms across an academic year (the opposite half terms to when Art and Design is taught). During the year, the children will learn through a variety of creative and practical activities. They will be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making. They should work in a range of relevant contexts [for example, the home, school, leisure, culture, enterprise, industry and the wider environment].

### **Art and Design**

In Year 5, Art is taught in three of the six half terms across an academic year (the opposite half terms to when DT is taught). Children will be taught to develop their techniques, including their control and their use of materials, with creativity,

experimentation and an increasing awareness of different kinds of art, craft and design. They will continue to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials.

### **Computing**

Computing will be taught once a week in Year 5. In programming the children will use Scratch to create a program that counts in numerical sequences and add sound and sensors to manipulate a sprite. In internet safety, the children will learn about identifying spam emails and how to deal with them, along with creating powerful passwords and recognising false photography (investigating how they have been edited). Handling data will include how to collect, record and analyse data on planets and producing charts to show rainfall. Technology in our lives will cover questioning the validity of data online and exploring the world using Google Earth. Finally, multimedia will include using sound effects to add to a story, investigating the weather forecast and using green screen to create a video broadcast.

### **RE**

RE is taught every other half term and follows Somerset's RE Syllabus. In the Autumn Term, the children consider what is God? The topic considers subjects like fairness and our role as stewards on earth. The children also explore ideas on Salvation and deepen their understanding of it as central to Christian faith. The children are encouraged to reflect honestly about their thoughts.

In the Spring Term, the children are taught about Judaism. They learn about God and Covenant and focus on Jewish traditions and festivals. In the Summer Term the focus is on Islamic faith. The children learn about the Five Pillars of Islam and how these are fundamental to Islamic faith. All lessons in RE incorporate moments for reflection and discussion as well as, where possible, opportunities for the creative expression of their understanding through drama and art.

### **Music**

In Year 5, music is taught every other half term as a signal subject following a scheme of work called Music Express. Music is taught to build on specific skills which allows children to play and perform in solo and ensemble contexts, using their voices and play instruments with increasing accuracy, fluency, control and expression. Children will be exposed to opportunities which allows them to listen with attention to detail and recall sounds with increasing aural memory. A range of activities are used to structure the lesson and pupils are encouraged to participate at their own level. Children are encouraged to explore the history of music by listening to compositions from different composers and singing activities. In Year 5 children focus on listening, structure and composition; this is taught through the topics solar system, lifecycles and at the movies.

