

Year 5



At Orchard Academy we are

Ready



Respectful



Safe



Autumn Term 2 Biomes

English

We will be looking at information texts this half term, using the lovely book 'Mountains of the World' as a stimulus. We will be learning to use main and subordinating clauses within our sentences and a variety of textual structures to help us write with purpose.

Maths

We will be widening our maths coverage this half term and exploring 'statistics' as we cover frequency tables, line graphs and bar graphs. We then move onto exploring multiplication and division teaching children formal methods and problem solving skills. We will end the term by looking at all things shape, covering both 2D and 3D shapes and introducing children to angles.

Science

We will be building on our previous topic by looking at changes of materials. We will recover a solute from a solution, look at irreversible chemical changes and the effects of rusting and combustion.

Humanities

This term we focus on Geography and explore Biomes across the world, building on knowledge gained from Year 4. We will explore what causes the earth to be so diverse, how biomes influence human activity and how human activity affects biomes.

PSHE

In PSHE we will be celebrating differences between us. This term we explore how bullying has a negative and lasting impact of mental wellbeing. We will also look at comparing our lifestyles with those from the developing world, understanding and accepting different cultures.

Religious Education

We will be working to answer the question, 'Why do Christians believe that Jesus is the Messiah?' We will look at how Christians put their beliefs about Jesus' incarnation into practice in different ways.

Music

This half term we will learn the intent behind singing moving onto the fundamentals of composing. We will work in groups to create our own Christmas / Winter songs.

DT

We will be looking at cams this term and designing our own toys which use a simple cams mechanism to move.

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Autumn Term 2

Key Vocabulary

| | |
|------------|---|
| English | Subordinate clauses, cohesion, purpose, brackets, relative |
| Maths | Frequency, statistics, multiple, product, divisible, angles, acute, obtuse, reflect |
| Science | Solute soluble, mixture, evaporate, dissolve |
| Humanities | Settlement, kingdoms, migration, invasion, artefacts |
| PSHE | Culture, racism, homophobic, discrimination, direct and indirect bullying |
| Music | Gospel, emotion, tempo, beat, timbre, rhythm |
| Art | Line, shape, structure, surrounding, purpose |
| Spanish | Las estaciones, El invierno, La primavera, El Verano, Hay cuatro estaciones |
| Computing | Algorithm, output, variable, input, sensor, selection, conditionals |
| RE | Messiah, gospel, messenger, |
| PE | Pop pass, pocket pass, attack, defend, offside |

Computing

In Computing, we will be using physical computing to explore the concept of selection in programming through the use of microbit computers. We will learn how to connect and program it to control components.

Spanish

We will continue our learning of Spanish by recapping the language learnt last term and moving onto learning about the 4 seasons. We will build to speaking and writing a full sentence.

PE

We will learn how and why we warm up in different ways for different events, developing specific areas of fitness. In Tag Rugby, we will build on skills taught in year 4 to play advantage and restart after infringements.

Homework

Homework tasks will be sent home each week on a Friday which will include; maths fluency questions, spelling and grammar practice and a reading task. Homework is handed in each Wednesday.

How you can help at home

You can support your child at home by encouraging them to read everyday and ask them questions about the text. Continuing to practise times tables to build fluency. Practise the spellings sent home and talk to your child about what they are learning.