

# Year 5 Autumn 1 Curriculum Overview



## Key Information

**Text focus:** Cogheart by Peter Bunzi

**Writing Genres:** Instructions

Journey story

**Maths:** Effective Maths

**Useful Apps:**

Mathletics

Timestablerockstars

PurpleMash

**PE:** Thursday (games)

Tuesday (class 7 , 9, 10 PE)

Friday (class 8 PE)

Reading books in every day.

**Homework:**

English, Maths and Spellings will be given out Friday. English and Maths to be in for Wednesday. Spelling tests will be on a Friday.

**Theme:** To infinity and beyond!

**Subject areas covered:** Science, History, ICT and Art

As **scientists** we will be learning about the movement of the Earth, and other planets, relative to the Sun in the solar system. Also, we will be learning about the movement of the Moon relative to the Earth. We will describe the Sun, Earth and Moon as approximately spherical bodies. Additionally, we will learn how the Earth's rotation creates day and night.

As **historians**, we will be finding out about the early years of space exploration from 1940 to 1970 focussing on how the Soviet Union was actually the first ones to successfully launch something into space. Further to this, we will look at 'The Space Race' and Apollo 11 moon landing whilst comparing astronauts from the past to the present.

As **information technicians**, we will research the life of Helen Sharman and discuss stereotypes of men and women involved in space.

As **artists**, we will be looking at a range of sources related to the moon which we will then sketch focussing on the terrain and develop our sketching/shading techniques to create an observational drawing in our favoured medium.

**Theme:** Incredible inventions

**Subject areas covered:** History, Science, PSHE, ICT and DT

As **historians**, we will be learning about inventions from past to present and the significant impact they have had on the world.

As **scientists**, we will be learning about the force of gravity. We will also be identifying the effects of air resistance, water resistance and friction that act between moving surfaces. Finally, we will learn about mechanisms, including levers, pulleys and gears.

As **information technicians** and as part of our **enrichment**, the children will participate in a Lego STEM challenge where we will be taught how to use the Lego software and instructions and create their own designs. They will then build a Cool Car and connect a motion sensor to control it.

As **designers**, we will be researching gliders and looking at the influence of Da Vinci in the world of flight. This will then lead us to design and create our own glider using a range of materials/ equipment and tools.

**Theme:** Harvest time

**Subject areas covered:** R.E, PSHE, Music, History and Geography

As **theologians**, we will be learning about why people celebrate Harvest time and how Christians celebrate the festival. We will be collecting and donating food to the King fisher café and we will think how our donations will impact homeless people in the local area.

As part of our **enrichment** a member from the Healthy living team will be coming in to talk to us healthy diet and lifestyle.

As **musicians**, we will be playing and performing songs in solo and groups. Further to this, we will develop an understanding of the history of music.

As **historians**, we will be comparing land use in our local area from Victorian times to modern times.

As **geographers**, we will look at a range of food packaging and use a map to see where the items come from. Additionally, we will be finding out where local crops grow.