

## Science

### Everyday Materials

#### Knowledge

- identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
- find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

#### Skills

- I know how to ask simple scientific questions.
- I know how to use equipment to make observations
- I know how to identify and classify things.
- I know how to carry out simple tests.
- I know how to explain t
- to answer questions

## Computing

We are astronauts

#### Knowledge

- Understand that programs require precise instructions
- Understand that algorithms are used on digital devices
- Understand that programs require precise instructions
- I know personal information should never be shared online
- I know that I must tell an adult immediately if anyone tries to meet me via the internet
- I know how technology is used in school and outside of school

#### Skills

- Predict what the outcome of a simple program will be
- Use a range of instructions
- I write a simple programme and test it
- Test and amend a set of instructions
- I find errors and amend

## Maths

### Number – Place value

- Numbers to 20
- Count objects to 100 by making 20s
- Recognise tens and ones and using a place value chart
- Partition numbers to 100
- Write numbers to 100 in words (including in expanded form)
- 10s and 1s on the number line to 100
- Estimate numbers on a number line
- Compare and order objects and numbers
- Count in 2s, 5s, 10s and 3s.

### Number – Addition and subtraction

- Bonds to 10, 20 and 100
- Add in various ways – by making 10, three 1-digit numbers, to the next 10, across a ten
- Subtract in various ways – across 10, from a ten, a 1-digit from a 2-digit number.

## Religious Education

Termly question: **How should we care for others and why does it matter?**

Key questions:

- What stories do Christians and Jewish people tell about the beginning of the world and how to treat the world?
- What do some religions say about caring for other people?
- Should we care for everyone?
- What do Christians believe about caring people?
- How have some people shown they cared? How is the golden rule an encouragement to share?

## Physical Education

Personal Skills

#### Knowledge

- Coordination and footwork
- Static balance – one leg

#### Skills

- Keep your head up
- Bend your knees to help balance
- Work off the balls of your feet
- Keep your tummy tight
- Keep your arms tight

## English

- Writing to entertain: Diary entry recounting their journey across the world.
  - Book link – Emma Jane’s aeroplane.
- Writing to inform: Advert from space
  - History link – Neil Armstrong

# Earth Explorers!

Year 2

Autumn 1



## Art

Neil Armstrong drawing

Planet art

#### Knowledge

- To create a piece of art in response to that of another artist
- Suggest how to use colour, pattern and shape

#### Skills

- Choose and use three different grades of pencil when drawing
- Use charcoal, pencil and pastel to create art

## Geography

#### Knowledge

- To name capital cities of England, Wales, Scotland and Northern Ireland

#### Skills

- To name and locate the world’s seven continents and five oceans
- To describe a place outside Europe using geographical words

## Music

Travel – Performance and English

Ourselves – Exploring sounds and English

#### Knowledge

- Know how to improve my own work

#### Skills

- Perform simple patterns and accompaniments keeping a steady pulse
- Play simple rhythmic patterns on an instrument
- Sing and follow a melody
- Sing or clap increasing and decreasing temp
- Choose sound which create an effect