

## MAIN DRIVER – Science –

**Chemistry** Identify and compare uses of everyday and different materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard. Compare how things move on different surfaces. Explain why material might be used for a specific job. Explore how shapes can be changed by squashing, bending, twisting and stretching.

**Working Scientifically** Ask simple questions • Observe closely • Perform simple tests • Identify and classify • Suggest answers to questions • Gather and record data.

## NUMERACY

**Fractions** – Find and write simple fractions • Understand equivalence of e.g.  $\frac{2}{4} = \frac{1}{2}$ , find and recognise a half and a quarter. To write simple fractions. **Measuring** – Use terminology of position & movement

**Properties of Shape** – Identify & sort 2-d & 3-d shapes • Identify 2-d shapes on 3-d surfaces. To describe position including half, quarter and three quarter turns.

**Multiplication & Division** – To use the correct mathematical symbols and calculate within the multiplication tables. Solve one step problems calculating the answer with pictorial and concrete objects.

WOW/IMMER  
SION

Week 2

**Spring** – Half day workshop programming robots.

Diary entry to show how the bluebird is feeling on the journey.

### Week 4 – T4W

Narrative journey story, Chn to write their version of ‘The Robot and the bluebird.

**P.E.** Team games – to use hitting, kicking and rolling in a game.

To plan a sequence of movements, to work on my own and with a partner.

## LITERACY

**Writing** Develop positive attitude & stamina for writing. Begin to plan ideas for writing. To evaluate writing independently and with peers by making simple additions and corrections. To use expanded noun phrases to describe, expand and specify. To use subordination, when, if, that or because. To use capital letters for the personal pronoun I and for most proper nouns. To use lower case letters in the correct direction and starting place. To use the suffices ing, ed, er and est. **Reading** To ask questions to improve and deepen understanding. To check the text is meaningful.

### Week 5 & 6

Robot Poetry – to write our own robot poems.

**Legacy**– Visit to the Angel of the North, children invent their own robot to help humans, mini science fair for class to present their robots (rest of school/parents/experts)

Hist/Geog (when not the main driver)

**Geography** – Name & locate world’s continents and oceans. Compare local area to a non-European country. Use basic vocabulary to describe a less familiar area. Use directional vocabulary near, far, left, and right, to explain where a location is. To explain how jobs might be different in different locations.

**History** - Changes in living memory (linked to aspects of national life where appropriate); Key Individuals; Lives of significant historical figures, including comparison of those from different periods. To explain what an object from the past might have been used for. I can answer questions using books and the internet.

## Legacy

**Spring 2** – Trip to Quayside, Bridge tour and walk. Build our own model Newcastle Bridge/houses from the fire of Newcastle – hopefully set them on fire.

**Spring 2 WOW** - Workshop how to build bridges.

Poster - how to build a bridge

Letter – Persuasive letter from one of the goats to the other goats to cross the bridge.

**PSCHE** - Getting on and Falling out to recognise what they like and dislike, what is fair and unfair, and what is right and wrong; to recognise, name and deal with feelings positively.

T4W – class write own version of ‘Three Billy Goats Gruff’

## CREATIVE

**D&T** – Evaluate existing products & own ideas, Build and improve structure & mechanisms. Design purposeful, functional & appealing products. Generate, model & communicate ideas. Use range of tools & materials to complete practical tasks. **ART** – Use drawing, painting and sculpture. Develop techniques of colour, pattern, texture, line, shape, form and space. **Music** Make and combine sounds musically.

### Computing

Understand use of algorithms.

Write & test simple programs. Use logical reasoning to make predictions.

## SPAG

To spell longer words using suffixes ful and ly.

To spell CEW’s.

**Spring Term 2019 – Year 2**

**‘Inventions’**

**Question: ‘How can Inventions help us?’**

**Robots and Bridges**