



# Time and Change

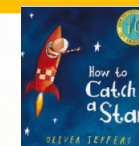
## Back to the Future

**Subject Drivers:** History and Science

**Enrichment Opportunities:** space day / space dome

### Curriculum coverage

Stories



### Science

#### What are materials?

To identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.

To find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

### English

To write simple, coherent narratives about personal experiences and those of others (real or fictional) with our focus being non-chronological reports about space.

To demarcate most sentences in their writing with capital letters and full stops, and use question marks correctly when required.

To use co-ordination (e.g. or / and / but) and some subordination (e.g. when / if / that / because) to join clauses.

To add suffixes to spell most words correctly in their writing (e.g. -ment, -ness, -ful, -less, -ly).

### Mathematics

**Geometry—Properties of Shape-** To name and describe properties of 2-D and 3-D shapes, including number of sides, vertices, edges, faces and lines of symmetry

To describe similarities and differences of 2-D and 3-D shapes, using their properties

**Number—Fractions-** To identify  $1/4$ ,  $1/3$ ,  $1/2$ ,  $2/4$ ,  $3/4$ , of a number or shape, and know that all parts must be equal parts of the whole

**Measurement—Time-** To read the time on a clock to the nearest 15 minutes

To read the time on a clock to the nearest 5 minutes

### Music

To use their voices expressively and creatively by singing songs and speaking chants and rhymes.

### Design and Technology

**Design**—To design purposeful, functional, appealing products for themselves and other users based on design criteria

**Make**—To select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]

**Evaluate**—To explore and evaluate a range of existing products

### Computing

To use technology purposefully to and retrieve digital content

To use technology safely and respectfully,

### History

#### Who has visited space?

To find out about the lives of significant individuals in the past who have contributed to national and international achievements.

To find out about significant historical events, people and places in their own locality

### Art and Design

#### Who is Peter Thorpe?

To find out about a range of artists

To use drawing, painting and sculpture to develop and share their ideas, experiences and imagination

### PE

To perform dances using simple movement patterns.

### PSHE/RSHE

#### When should I say no?

- Understand that other people need permission before they can touch us
- Understand that some parts of our bodies are more private than others
- Recognise that other people often want different

#### Who owns my body? I do!!

- Understand that certain parts of our bodies are very private, and only we get to decide what happens to them
- Understand that secrets and surprises are different
- Know how to report concerns





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### Suggested activities

#### Home learning ideas:

Visit your local library and learn about space.

Ask your child to tell you the time at various points throughout the day.

Look for shapes in your home and local environment.

#### Science

What materials should we wear to go into space?  
Why those materials? Investigation into properties of materials e.g waterproof and heat resistance.

Where do shadows come from?

Can you investigate light and dark?

#### English

Can you research facts about our Solar system using a range of resources?

Can you use a range of interesting sentence openers?

Can you use a range of conjunctions and subordination to extend your sentences, (and, but, so, because, or)?

Can you use your comprehension skills to find out about aspects of space such as shuttles and astronauts?

#### Mathematics

Exploring the properties of 2D and 3D shapes through a range of practical and written activities.

Learning about fractions of shape and numbers.

Learning to tell the time through a range of activities

#### Geography

N/A

#### Design and Technology

Making moon buggies based on the mars rover.

#### Computing

Using the internet to search for facts about space. Learning how to be safe on the internet.

#### Art and Design

Peter Thorpe—artist study creating space / rocket pictures using chalks, oil pastels.

#### History

Who is Neil Armstrong and why is he famous?

#### Music

Learning to sing with accurate pitch and rhythm songs about space.

#### PSHE/RSHE

Learning about our privacy, when to say no and our bodies.

#### PE

**Jess**— Dance based on the planets of the solar system