



Year 5 Learning Unit –Fairgrounds Subject Focus – Design & Technology/Science

Spring Term 1 - 2019

Starting Point

- Model Making – Timberkits automatron (linkages)

Final celebration

- Creating fairground games and attractions

Creative Development

- Shape, size and colour
- Investigate fairground rides
- Investigate different models
- Drawing 3D shapes – exploded diagrams
- Technical drawing
- Mood boards

Visit

- KNex Challenge
- Mad Museum

Knowledge and Understanding

Design & Technology

- Investigate and experiment with simple machines
- Research, design, make and evaluate models with moving parts (some using electricity)
- Cams, levers, pullies and gears

Science

- Electrical circuits
- Forces
- Gravity
- Forces
- Water Resistance

Computing

- Hour of code and codebreaking

PE

- Real PE
- Dodgeball skills

Home Learning Tasks

- Researching inventors and how they changed the world

Mathematics

- Multiplication and division written methods

Fractions:

- Convert between mixed numbers and improper fractions
- Compare and order fractions whose denominators are multiples of the same number
- Identify, name and write equivalent fractions including tenths and hundredths
- Add and subtract fractions with related denominators

English

- Persuasive Writing
- Instructions.
- Modal verbs
- Book study – The London Eye Mystery

Additional Objectives:

- Use modal verbs
- Use a colon to introduce a list