### Maths
- Children will learn to expand on their knowledge of fractions and they will be developing their knowledge of decimals and percentages. They will be learning to order, add, subtract and multiply fractions and decimals, and how to convert between the three.

### English
- Children will learn how to write diaries, letters and persuasive speeches.
- This half term we will be basing our written work on The Phoenix Code.

### Science
Children will learn how to plan and carry out different types of scientific investigations around forces.

### History
We will be looking at the development of theme parks and how they have changed over time, with a focus on safety.

### Computing
This half term we will be looking at correcting algorithms and making roller coasters using Scratch.

### PE
For this half term, Year 5 Maple will be swimming. Please see swimming letter for more information.

### Music
**Melody**
Explore pentatonic scales
Compose and perform melodies

### RE
This half term we will be learning about different areas of Islam including: the final prophet, the Bilal mystery, the five pillars of Islam, Islamic prayer and the Qur’an.

### Geography
We will be looking at different theme parks across the world and how to plot journeys using maps.

### Art & Design
We will be investigating roller coaster carriage designs, thinking about their structure and materials. We will practice sketching cross-sectional and exploded diagrams to show details.

### French
**La Phonetique (Phonetics)**
Explore the French alphabet and key sounds

### Extra Curricular
We will be going to the Science Museum during the next half term. Letter to follow.

### Homework
- Weekly home learning is set on a Friday and due in on a Wednesday.
- Online reading records, SpaG.com, maths and a written task.
Maths
Improper fractions, mixed numbers, sequences, comparing, ordering, denominator, numerator, integers, operators, decimals, percentages, decimal place, tenths, hundredths, thousandths.

English
Semi-colons, formal language, cohesion, figurative language, biography, script, modal verbs, rhetorical questions.

Science
Air resistance, centripetal force, force, friction, gravity, lever, pull, pulley, push, speed, water resistance.

Computing
Multimedia, presentation, search, sequence, input, algorithm, debug, online safety.

Reading
- The Phoenix Code by Helen Moss.
- Please make sure the children are reading a variety of texts.

VOCABULARY
- Amusement park, amusement ride, cam, carousel, carriage, drop tower, follower, fulcrum, gear, inverted carriage, linkage, log flume, loop, machine, mechanism, pendulum ride, roller coaster, safety, slide, speed, streamlined, swing ride.

Useful Websites
- https://fairway.barnet.sch.uk/barnet/primary/
- https://www.spag.com/
- https://online.espresso.co.uk/
- https://play.ttrockstars.com/
- https://www.bbc.co.uk/bitesize/