

Year 3 A - E - Science

Subject	Science
Class/Division	Year 3 A-E
Week	32 (25th April to 30th April, 2021)
Work sent to students via	Group email/Zoom classes
Total number of lessons per week	3 Synchronous and 1 Asynchronous
Unit 7	Magnets and forces
Lesson 1	<p>Learning objective: Understand that some forces need contact between two objects, but magnetic forces can act at a distance.</p> <p>Learning outcome: By the end of the lesson, students can -</p> <ul style="list-style-type: none"> • State that a magnet can apply forces. • Recognise that a magnetic force can move objects without making direct contact and from a distance.
Resources	<p>1. Power Point Presentations for the live zoom lessons (child friendly/self explanatory)</p> <p>2. Video https://www.youtube.com/watch?v=8TR4Qr9DxfQ&t=119s</p>
Task	Workbook page 12

Lesson 2

Learning objective:

Plan an investigation to compare strengths of different magnets by measuring distance a paper clip moves.

Learning outcome:

By the end of the lesson, students can -

- Describe a number of different-shaped magnets.
- Predict which magnet is strongest from a given group.
- Identify what factors to vary (different magnets) and what to measure (the distance between magnet and the clip just before moving).
- Identify the factors to keep the same (same size paperclips, same initial position of the magnet), to make the test fair.
- Make careful measurements of length using cm.
- Present measurements in a table and construct a bar chart.
- Draw conclusions from the results stating that the magnet which moves the clip from a greater distance is the strongest (need not be the biggest).
- Compare the conclusion to the prediction.

Resources

1. Power Point Presentations for the live zoom lessons (child friendly/self explanatory)

2. Video

<https://www.youtube.com/watch?v=jowaZBvhMX4>

<https://www.youtube.com/watch?v=aDy0oCtCnW0>

Task

workbook page 13

Lesson 3	<p>Learning objective: Discuss how magnets were discovered and list the uses of magnets in our daily life.</p> <p>Learning outcome: By the end of the lesson, students can -</p> <ul style="list-style-type: none"> • Know how magnets were discovered • List some ways in which magnets are used for different purposes • Suggest other ways in which magnets could usefully/creatively be used. • Explore the behaviour and everyday uses of different magnets (for example, bar, ring, button and horseshoe).
Resources	<p>1. Power Point Presentations for the live zoom lessons (child friendly/self explanatory)</p> <p>2. Video</p> <p>https://www.youtube.com/watch?v=IHkyeylpM0w</p> <p>3. Active learn Uses of magnets https://www.activelearnprimary.co.uk/resource/471416</p>
Task	Workbook page 15