


All Saints Multi Academy Trust, Birmingham
Home Learning

<p>Year 5/6 Science Week 4</p> <p>FORCES</p> <p>45 – 60 minutes daily</p> <p>https://classroom.thenational.academy/units/forces-717d</p> <p>All written work should be completed in their pupil work book or a piece of paper. Worksheets are numbered by day and are available online or for collection from the school office. Work can be photographed and emailed for weekly feedback.</p> 		Monday	Tuesday	Wednesday	Thursday	Friday
		Learning Objective	<p>Lesson 1</p> <p><u>LO: What are forces?</u></p>	<p>Lesson 2</p> <p><u>LO: How can we measure the size of forces?</u></p>	<p>Lesson 3</p> <p><u>LO: What are contact forces?</u></p>	<p>Lesson 4</p> <p><u>LO: What are non-contact forces?</u></p>
Lesson Link	https://classroom.thenational.academy/lessons/what-are-forces-6dh3ec	https://classroom.thenational.academy/lessons/how-can-we-measure-the-size-of-forces-c4vkcr	https://classroom.thenational.academy/lessons/what-are-contact-forces-74t3gc	https://classroom.thenational.academy/lessons/what-are-non-contact-forces-6djkqd	https://classroom.thenational.academy/lessons/which-factors-affect-an-objects-ability-to-float-ccv3ac	
Lesson outline	In this lesson, we will learn what forces are. We will also learn about contact forces and non-contact forces. Finally, we will test our knowledge with some application questions	In this lesson, we will learn how we can measure the size of forces, particularly how we can measure weight. We will learn about Isaac Newton and his contribution to our knowledge of forces as well as Newtons as a unit of measurement. We will also investigate how to use a Newton meter to measure forces.	In this lesson, we will learn about contact forces. We will discuss air and water resistance and examine what balance and unbalanced forces are. We will also investigate friction. Based on our investigation we will make conclusions about the causes and characteristics of friction.	In this lesson, we will recap the definition of non-contact forces. We will also investigate gravity and gravitational force and learn about Galileo by completing an investigation. Finally, we will learn about magnetic force, including some uses for magnets.	In this lesson, we will be discussing upthrust (or buoyancy) in more detail. We will discuss what density is and how it affects floating. We will also discuss the link between weight and upthrust. Finally, we will make some predictions which we will test.	
Extra Notes	Make notes of all new key vocabulary and facts. Ensure that you use full sentences when answering any questions.	Make notes throughout on Newton and using a Newton metre.	If possible try the investigation; if not, make notes and predictions in book and conclude at the end.	Make notes throughout. Answer all questions using full sentences.	Make a note of all new key terms, including definitions. Make predictions and see if they were correct after the investigation.	