


All Saints Multi Academy Trust, Birmingham  
**Home Learning**

UKS2 Science Week 3		Monday	Tuesday	Wednesday	Thursday	Friday
<p style="text-align: center;"><b>Forces</b></p> <p>40 – 60 minutes daily</p> <p><a href="https://classroom.thenational.academy/units/forces-717d">https://classroom.thenational.academy/units/forces-717d</a></p> <p>All work is recorded in pupil books. Screenshots/photos of their writing can be taken and emailed for weekly feedback.</p> 	<b>Learning Objective</b>	<p><b>Lesson 1 Forces</b></p> <p><u>LO: To learn about forces.</u></p>	<p><b>Lesson 2 Size of Forces</b></p> <p><u>LO: To learn about how to measure forces.</u></p>	<p><b>Lesson 3 Contact Forces</b></p> <p><u>LO: To learn about contact forces</u></p>	<p><b>Lesson 4 Non-Contact Forces</b></p> <p><u>LO: To learn about non-contact forces</u></p>	<p><b>Lesson 5 Ability to Float</b></p> <p><u>LO: To learn about how objects float.</u></p>
	<b>Lesson Link</b>	<p><a href="https://classroom.thenational.academy/lessons/what-are-forces-6dh3ec">https://classroom.thenational.academy/lessons/what-are-forces-6dh3ec</a></p>	<p><a href="https://classroom.thenational.academy/lessons/how-can-we-measure-the-size-of-forces-c4vkcr">https://classroom.thenational.academy/lessons/how-can-we-measure-the-size-of-forces-c4vkcr</a></p>	<p><a href="https://classroom.thenational.academy/lessons/what-are-contact-forces-74t3gc">https://classroom.thenational.academy/lessons/what-are-contact-forces-74t3gc</a></p>	<p><a href="https://classroom.thenational.academy/lessons/what-are-non-contact-forces-6djkgd">https://classroom.thenational.academy/lessons/what-are-non-contact-forces-6djkgd</a></p>	<p><a href="https://classroom.thenational.academy/lessons/which-factors-affect-an-objects-ability-to-float-ccv3ac">https://classroom.thenational.academy/lessons/which-factors-affect-an-objects-ability-to-float-ccv3ac</a></p>
	<b>Lesson outline</b>	<p>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.</p>	<p>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.</p>	<p>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.</p>	<p>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.</p>	<p>In this lesson, we will be discussing up thrust (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 up thrust. Finally, we will make some predictions which we will test.</p>
	<b>Extra Notes</b>	<p>Complete the exit quiz.</p> <p>Complete all work your pupil book or on paper. There are worksheets for this lesson.</p>	<p>Complete the entry and exit quiz.</p> <p>Complete all work your pupil book or on paper. There are worksheets for this lesson.</p>	<p>Complete the entry and exit quiz.</p> <p>Complete all work your pupil book or on paper. There are worksheets for this lesson.</p>	<p>Complete the entry and exit quiz.</p> <p>Complete all work your pupil book or on paper. There are worksheets for this lesson.</p>	<p>Complete the entry and exit quiz.</p> <p>Complete all work your pupil book or on paper. There are worksheets for this lesson.</p>

Week beginning Monday 18<sup>th</sup> January 2021