

Subject	Science	
Week	Learning	Activities
<p>Week beginning 8<sup>th</sup> June</p>	<p><b><u>Biology Lesson: Food chains</u></b></p> <p>In this lesson we are going to be looking at food chains and what they represent. We will include new key words such as predator and prey and annotate food chains ensure they contain all information required.</p>	<p><a href="https://www.thenational.academy/year-7/science/food-chains-year-7-wk1-1">https://www.thenational.academy/year-7/science/food-chains-year-7-wk1-1</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Food chains</a></p>
	<p><b><u>Chemistry Lesson: Chemical Changes</u></b></p> <p>In this lesson we are going to understand how to recognise a chemical reaction is taking place. We will recap the observations needed to identify a chemical reaction and write word equations to represent these reactions.</p>	<p><a href="https://www.thenational.academy/year-7/science/chemical-reactions-year-7-wk2-2">https://www.thenational.academy/year-7/science/chemical-reactions-year-7-wk2-2</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Chemical Changes</a></p>
	<p><b><u>Physics Lesson: Particle Theory</u></b></p> <p>In this lesson we will look at how particles in solids, liquids and gases are arranged.</p>	<p><a href="https://www.thenational.academy/year-8/science/particle-theory-year-8-wk3-1#slide-1">https://www.thenational.academy/year-8/science/particle-theory-year-8-wk3-1#slide-1</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Particle Theory</a></p>

<p>Week beginning 15<sup>th</sup> June</p>	<p><b><u>Biology Lesson: adaptations</u></b></p> <p>In this lesson we will look at the amazing adaptations that organisms have. These are features of their physical bodies or the way that they behave which allow them to succeed.</p>	<p><a href="https://www.thenational.academy/year-7/science/adaptations-year-7-wk1-2">https://www.thenational.academy/year-7/science/adaptations-year-7-wk1-2</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Adaptions</a></p>
	<p><b><u>Chemistry Lesson: Physical &amp; Chemical Changes</u></b></p> <p>In this lesson we will look at the differences between a physical and chemical change and how we can tell what is taking place. We will look at specific things to look for to identify a chemical reaction vs a physical change.</p>	<p><a href="https://www.thenational.academy/year-7/science/physical-and-chemical-changes-year-7-wk2-4">https://www.thenational.academy/year-7/science/physical-and-chemical-changes-year-7-wk2-4</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Physical &amp; Chemical Changes</a></p>
	<p><b><u>Physics Lesson: State Changes</u></b></p> <p>In this lessons we will look at how solids, liquids and gases change state.</p>	<p><a href="https://www.thenational.academy/year-8/science/state-changes-year-8-wk3-2">https://www.thenational.academy/year-8/science/state-changes-year-8-wk3-2</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: State Changes</a></p>
<p>Week beginning 22<sup>nd</sup> June</p>	<p><b><u>Biology Lesson: Interdependence</u></b></p> <p>In this lesson you will learn about how food chains come together to make food webs and how all organisms are dependent on each other. Scientists call this interdependence.</p>	<p><a href="https://www.thenational.academy/year-7/science/interdependence-year-7-wk1-3">https://www.thenational.academy/year-7/science/interdependence-year-7-wk1-3</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p>

		<a href="#">MS Forms: Interdependence</a>
	<p><b><u>Chemistry Lesson: Properties of Substances</u></b></p> <p>In this lesson we will look at how to define different properties and to be able to describe a substances using the properties.</p>	<p><a href="https://www.thenational.academy/year-7/science/properties-of-substances-year-7-wk5-2">https://www.thenational.academy/year-7/science/properties-of-substances-year-7-wk5-2</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Properties of Substances</a></p>
	<p><b><u>Physics Lesson: Density</u></b></p> <p>In this lesson we will learn how to calculate density.</p>	<p><a href="https://www.thenational.academy/year-8/science/density-year-8-wk3-3">https://www.thenational.academy/year-8/science/density-year-8-wk3-3</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Density</a></p>
	<p><b><u>Biology Lesson: Ecology</u></b></p> <p>In this lesson we will put everything we have learned so far together to look at how food webs interact with changes in the physical habitat and environment which they are in.</p>	<p><a href="https://www.thenational.academy/year-7/science/ecology-year-7-wk1-4">https://www.thenational.academy/year-7/science/ecology-year-7-wk1-4</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Ecology</a></p>
<p>Week beginning 29<sup>th</sup> June</p>	<p><b><u>Chemistry Lesson: Structure of the Earth</u></b></p> <p>In this lesson will look at the structure of the Earth beneath our feet. We will look at how we know what the different layers are made out of and why we get volcano's. Get ready to</p>	<p><a href="https://www.thenational.academy/year-8/science/earth-structure-year-8-wk2-1">https://www.thenational.academy/year-8/science/earth-structure-year-8-wk2-1</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p>

	<p>imagine you're journeying to the centre of the Earth</p>	<p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Earth's Structure</a></p>
	<p><b>Physics Lesson: Diffusion</b></p> <p>In this lesson we will look at how particles move through the process of diffusion.</p>	<p><a href="https://www.thenational.academy/year-8/science/diffusion-year-8-wk3-4">https://www.thenational.academy/year-8/science/diffusion-year-8-wk3-4</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Diffusion</a></p>
<p>Week beginning 6<sup>th</sup> July</p>	<p><b>Biology Lesson: Variation</b></p> <p>In this lesson you will learn about why two organisms from the same species can look so different to each other.</p>	<p><a href="https://www.thenational.academy/year-7/science/variation-year-7-wk4-2">https://www.thenational.academy/year-7/science/variation-year-7-wk4-2</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Variation</a></p>
	<p><b>Chemistry Lesson: Sedimentary Rock</b></p> <p>In this lesson we will look at how sedimentary rocks are formed, the differences between these and igneous rocks, how they get worn away and what information they can tell us.</p>	<p><a href="https://www.thenational.academy/year-8/science/sedimentary-rock-year-8-wk2-3">https://www.thenational.academy/year-8/science/sedimentary-rock-year-8-wk2-3</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Sedimentary Rocks</a></p>
	<p><b>Wk7: Working scientifically – Continuous and Categorical Data</b></p> <p>In this lesson we will look at examples of continuous and categorical data.</p>	<p><a href="https://www.thenational.academy/year-9/science/continuous-and-categorical-data-year-9-wk3-4">https://www.thenational.academy/year-9/science/continuous-and-categorical-data-year-9-wk3-4</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p>

		<p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Continuous and categorical data</a></p>
<p>Week beginning 13<sup>th</sup> July</p>	<p><b><u>Biology Lesson: Natural selection</u></b></p> <p>In this lesson we will look at how random mutations lead to a process of natural selection. Over a long period of time this natural selection (and other things) results in large variation between organisms - we call this evolution.</p>	<p><a href="https://www.thenational.academy/year-7/science/natural-selection-year-7-wk4-3">https://www.thenational.academy/year-7/science/natural-selection-year-7-wk4-3</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Natural selection</a></p>
	<p><b><u>Chemistry Lesson: Climate Change</u></b></p> <p>In this lesson will look at what is causing climate change. We will look at what greenhouses gas are, how they are produced and what humans need to do to help reduce climate change.</p>	<p><a href="https://www.thenational.academy/year-8/science/climate-change-year-8-wk5-3">https://www.thenational.academy/year-8/science/climate-change-year-8-wk5-3</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Climate Change</a></p>
	<p><b><u>Physics Lesson: Working Scientifically – Variables</u></b></p> <p>In this lesson we will look at independent, depended and control variable and how to identify them.</p>	<p><a href="https://www.thenational.academy/year-10/science/working-scientifically-variables-year-10-wk1-5">https://www.thenational.academy/year-10/science/working-scientifically-variables-year-10-wk1-5</a></p> <p>Follow the instruction and guidance to watch the video and work through the task and self-assess.</p> <p>Learning check is done through a forms quiz which is hyperlinked in the document or can be found:</p> <p><a href="#">MS Forms: Variable</a></p>