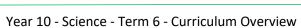


Week	Learning	Activities
	Density  In this lesson we will introduce the topic of density and how this varies for different materials and different states of materials. We will define the key terms, introduce the equation to calculate density and then practise their use.	https://www.thenational.academy/year-9/science/density-year-9-wk3-1  Follow the instructions and guidance to watch the video and work through the tasks.
Week beginning 1 <sup>st</sup> June	Density: Progress check	Follow the instructions to complete the progress check assigned by your teacher on Teams  Submit your answers, these will be marked and returned to you to make corrections.
	Changing state  In this lesson we will review knowledge of the particle model then apply this to understanding the changes of state that occur for matter. We will investigate the idea of conservation of mass, physical versus chemical changes and compare the effects of adding energy to the system during heating.	https://www.thenational.academy/year-9/science/changing-state-year-9-wk3-3  Follow the instructions and guidance to watch the video and work through the tasks.



Changing state: Progress check	Follow the instructions to complete the progress check assigned
	by your teacher on Teams
	Submit your answers, these will be marked and returned to
	you to make corrections.





	Aerobic respiration  In this lesson we will be looking at the chemical process of respiration, and the importance of different organ systems in supporting this reaction.	https://www.thenational.academy/year-10/science/aerobic-respiration-year-10-wk4-1  Follow the instructions and guidance to watch the video and work through the tasks.
Week	Aerobic respiration: Progress check	Follow the instructions to complete the progress check assigned by your teacher on Teams  Submit your answers, these will be marked and returned to you to make corrections.
beginning 8 <sup>th</sup> June	Anaerobic respiration  In this lesson we will be looking at what happens in muscles when animals exercise, and what happens when plants, bacteria and yeast respire with limited or no oxygen.	https://www.thenational.academy/year-10/science/anaerobic-respiration-year-10-wk4-2  Follow the instructions and guidance to watch the video and work through the tasks.
	Anaerobic respiration: Progress check	Follow the instructions to complete the progress check assigned by your teacher on Teams
		Submit your answers, these will be marked and returned to you to make corrections.



	Structure and function of the heart	Lesson to be taught at school.
	In this lesson we will be looking at the structure of the heart and how this allows it to perform its function effectively.	
	The Circulatory system  In this lesson we will be looking at the organisation of the circulatory system and the blood vessels involved.	Go through the short PowerPoint lesson and follow the instructions to complete the progress check assigned by your teacher on Teams
Week		Submit your answers, these will be reviewed and feedback given to you
beginning 15 <sup>th</sup> June		
	Components of blood	Go through the short PowerPoint lesson and follow the instructions to
	In this lesson we will be looking at what cells are found in	complete the progress check assigned by your teacher on Teams
	blood and their function	Submit your answers, these will be reviewed and feedback given to you
	Educake assignment:	Follow the instructions to complete the Educake quizzes assigned by your
	Respiration, blood and the circulatory system	teacher on Teams



	Respiration and gas exchange	Lesson to be taught at school.
	Diffusion	https://classroom.thenational.academy/lessons/diffusion-226c0e/
Week beginning 22 <sup>nd</sup> June		Follow the instructions and guidance to watch the video and work through the tasks.
	Diffusion progress check	Follow the instructions to complete the progress check assigned by your teacher on Teams
		Submit your answers, these will be reviewed and feedback given to you
	6 mark question – CB8	Follow the instructions to complete the 6 mark question lesson assigned by your teacher on Teams.
		Submit your answers, these will be reviewed and feedback given to you



	Gas temperature and pressure	Lesson to be taught at school
	Specific heat capacity	Go through the short PowerPoint lesson and follow the instructions to
		complete the progress check assigned by your teacher on Teams
Week		Submit your answers, these will be reviewed and feedback given to you
beginning		
29 <sup>th</sup> June	Specific latent heat	Go through the short PowerPoint lesson and follow the instructions to
	<u></u>	complete the progress check assigned by your teacher on Teams
		Submit your answers, these will be reviewed and feedback given to you
		Submit your answers, these will be reviewed and reedback given to you
	Educake:	Follow the instructions to complete the Educake quizzes assigned by your
	Energy calculations	teacher on Teams
		Your teacher will give whole class feedback on these.



	Ionic bonding	Lesson taught at school
		Lesson taught at solitor
	Forming ions	Go through the short PowerPoint lesson and follow the instructions to
	<u>Ionic formulas</u>	complete the progress check assigned by your teacher on Teams
		Submit your answers, these will be reviewed and feedback given to you
Week		This can be submitted as a photo of your work
beginning		, , , , , , , , , , , , , , , , , , ,
6 <sup>th</sup> July	Structure and properties of ionic compounds	Go through the short PowerPoint lesson and follow the instructions to
		complete the progress check assigned by your teacher on Teams
		Submit your answers, these will be reviewed and feedback given to you
	6 mark question - ionic bonding	Follow the instructions to complete the 6 mark question lesson assigned by
		your teacher on Teams.
		Submit your answers, these will be reviewed and feedback given to you



	Energy in Science	Lesson taught at school
	Science Documentary – Discovering the elements	https://www.bbc.co.uk/programmes/b00q2mk5
		Watch the programme on how elements were discovered.
Week		watch the programme on now elements were discovered.
beginning		Things to think about:
13 <sup>th</sup> July		In the 18 <sup>th</sup> century, what was believed to be the 4 elements that made up
Cultural		everything? Why those?
Cultural		How did scientific discovery lead to what we know today?
capital	TED-ed talk	Complete the TED-ed talk worksheet
		Submit this to your toochor on tooms
		Submit this to your teacher on teams
	<u>Evaluation</u>	Complete the evaluation of Science topics and lessons for terms 5 and 6
	Evaluation	assigned on Teams.

