

NEU Strike Days – Remote Learning for Year 9

- Please use the table below to locate the work for your child during the two strike days.
- Please hover your mouse over the web links and press Ctrl+click to access the websites.
- There is an accompanying PDF booklet for Food Technology and a PowerPoint for Physical Education.
- We recommend 25- 60 minutes of physical activity during the day. Please take regular 5-minute breaks away from your computer screen during the day.
- There are plenty more lessons for you to study if you wish to look at other subject areas. Visit <https://www.thenational.academy> , click on the subjects' tab for more subject areas.

Wednesday 5th July 2023

Year 9

Subject	Link to Work
English	https://app.senecalearning.com/dashboard/class/mjbbxfica7/assignments/assignment/650698aa-15c8-4689-82a1-bed5fc4c758b
Maths	Title: Trigonometry missing sides https://corbettmaths.com/wp-content/uploads/2022/10/Trigonometry.pdf
Science	Title: Rates of Reactions https://www.youtube.com/watch?v=OttRV5ykP7A&pp=ygUicmFOZXMgb2YgY2h1bWljYWwgcmVhY3Rpb25zIHRIZCBIZA%3D%3D Questions: <ol style="list-style-type: none">1. Describe the different ways that the rate of a chemical reaction can be increased.2. Explain the reasons why each factor causes an increase in the rate of reaction. Key concepts: particles, energy, collisions.3. Challenge: suggest how a fairground ride such as the dodgems could be used to model or represent particles and the factors that affect chemical reactions.
History	https://app.senecalearning.com/dashboard/class/nzm4jgn7ug/assignments/assignment/26e690ed-c8e1-4646-81d3-26d6f40b5486
PE	See attached PowerPoint

Friday 7th July 2023

Subject	Link to Work
English	https://app.senecalearning.com/dashboard/class/mjbbxfica7/assignments/assignment/2dfe1f4d-dc33-4b96-bd3f-49e30d634758
Maths	Title: Trigonometry missing angles https://corbettmaths.com/wp-content/uploads/2022/10/Trigonometry.pdf
Science	Title: Electricity & Energy https://phet.colorado.edu/sims/html/energy-forms-and-changes/latest/energy-forms-and-changes_all.html Explore the 'Systems' sections of the activity. Questions: <ol style="list-style-type: none">1. Complete the table below by identifying the energy changes that occur in each scenario.

	Question	Input	Generator	Output
	1	Person cycling	Wheel	Lightbulb
	Form of energy			
	2	Sun	Solar cell	Water heater
	Form of energy			
	3	Tap	Paddle wheel	Fan
	Form of energy			
	4			
	Form of energy			
	<p>2. When the input is the sun, how does the amount of cloud cover affect the energy transfer?</p> <p>3. When the input is the person cycling, what do you need to keep doing for it to work?</p>			
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PE	See attached PowerPoint			