



Science Homework - Year 8
Autumn 1 - 'Nutrition & Digestion/Atoms & Elements'

Retrieval	Reading	Rewarding
<p>1. Nutrition and Digestion Educake quiz</p> <p>Complete the quiz on Educake</p>	<p>2. Nutrition and Digestion reading task</p> <p>8A Crocodile Hearts.pptx</p>	<p>3. Nutrition and Digestion</p> <p>Using the McDonald's Menu, create a balanced meal that would include all the essential nutrients and not go over your daily allowance of calories (about 2500 cal).</p> <p>allergen-leaflet-181023.pdf</p>
<p>4. Atoms and Elements Educake quiz</p> <p>Complete the quiz on Educake</p>	<p>5. Atoms and Elements reading task</p> <p>8E Natural Hydrogen Could Be Good Climate News.pptx</p>	<p>6. Atoms and Elements</p> <p>Make a Top Trumps game comparing 20-30 elements from the periodic table. Once created, play this with a friend.</p>



Science Homework - Year 8
Autumn 2 - 'Compounds & Mixtures/Light'

Retrieval	Reading	Rewarding
<p>1. Compounds & Mixtures Educake quiz</p> <p>Complete the quiz on Educake</p>	<p>2. Compounds & Mixtures reading task</p> <p><u>8F What Makes Super Glue So Damn Sticky?.pptx</u></p>	<p>3. Compounds & Mixtures</p> <p>Create a picture dictionary explaining the difference between atoms, elements, compounds, molecules, and mixtures. Label each diagram with your explanation.</p>
<p>4. Light Educake quiz</p> <p>Complete the quiz on Educake</p>	<p>5. Light reading task</p> <p><u>8J: New Crystal Can Bend Light Just Like Gravity Does.pptx</u></p>	<p>6. Light</p> <p>How do humans see colour? Find one other animal and compare how they see colour differently to humans.</p>



Science Homework - Year 8
Spring 1 - 'Respiration/Gas Exchange in Animals'

Retrieval	Reading	Rewarding
1. Respiration Educake quiz COMPULSORY TASK	2. Respiration reading task https://docs.google.com/presentation/d/1IHIAzdqA2TjUBs1NhyqjqBYwTLYO1p3lhA4P1jVVOnM/edit#slide=id.p1 COMPULSORY TASK	3. Research Find out why elite athletes tend to have a low heart rate and breathing rate
4. Gas exchange Educake quiz COMPULSORY TASK	5. Anxiety reading task <u>Anxiety</u>	6. Exchange surfaces in fish Research and create a poster describing the structure of a fish's gas exchange surface and explaining how they are adapted for efficient gas exchange.



Science Homework - Year 8
Spring 2 - 'Sound'

Retrieval	Reading	Rewarding
1. Sound Educake quiz COMPULSORY TASK	2. Sound reading task <u>What are Acoustics?</u>	3. Measure the speed of echos <u>https://spark.iop.org/measuring-speed-sound-using-echoes</u>
4. Year 8 Science Educake quiz COMPULSORY TASK	5. Marie Curie reading task <u>8E Marie Curie.ppt</u>	6. Waves Make a poster showing the similarities and differences between light and sound waves.



Science Homework - Year 8
Summer 1 - 'Earth & Atmosphere/Electricity'

Retrieval	Reading	Rewarding
<p>1. Earth & Atmosphere Educake quiz</p> <p>Complete the quiz on Educake</p>	<p>2. Earth & Atmosphere reading task</p> <p><u>8G Gas Formed In The Big Bang Could Be Leaking From Earth's Core.pptx</u></p>	<p>3. Earth & Atmosphere</p> <p>Write a poem or song to explain how global warming impacts the Earth. Things to consider: pollution, deforestation, industrial revolution, fossil fuels.</p>
<p>4. Electricity Educake quiz</p> <p>Complete the quiz on Educake</p>	<p>5. Electricity reading task</p> <p><u>8K World's Largest Offshore Wind Farm Starts Pumping Electricity.pptx</u></p>	<p>6. Electricity</p> <p>An electrical company have asked you to create a health and safety poster/leaflet showing employees the safety precautions that should be taken when using electrical equipment</p>



Science Homework - Year 8
Summer 2 - 'Space/Variation & Inheritance'

Retrieval	Reading	Rewarding
1. Space Educake quiz COMPULSORY TASK	2. Space reading task <u>7K How the moon was formed</u> COMPULSORY TASK	3. Make a solar system model/poster <u>https://www.exploratorium.edu/explore/solar-system/activity/build-model</u>
4. Variation and inheritance Educake quiz COMPULSORY TASK	5. DNA reading task <u>8D DNA Discovery</u>	6. DNA origami Make a model of DNA using your paper folding skills <u>https://www.yourgenome.org/activities/origami-dna/#:~:text=DNA%20has%20a%20'double%20helix,T%2C%20C%20with%20G</u>