

Year 7 Science Homework term 3.1

Week	Title	Task	Staff Signature
1	Energy transfers	Create a poster for on energy transfers, include 10 examples of energy transfers in your home.	
2	Energy from fuels	Produce a poem on fuel. Include words such as: Chemical energy, electricity, heat, light, sound.	
3	Energy costs	Find out how your energy bill is calculated? Write a letter to a friend explaining how it is calculated so they understand the importance of using less electricity.	
4	Circuits	Explain 4 everyday examples of circuits in your house. Use the correct symbols used in lessons.	
5	Sound	Produce a leaflet on different problems people can have with hearing. Explain which part of the ear is affected and how doctors may treat some of these.	

Year 7 Science Homework term 3.2

Week	Title	Task	Staff Signature
6	Static Electricity	Give 5 examples of uses of static electricity and 2 examples of the dangers. Explain how static electricity is generated.	
7	Refraction	Explain why objects appear distorted when they have been refracted in water. E.g Fish in a tank.	
8	The eye	Research the work of an optometrist. Explain what they do and why their role is important.	
9	Adaptations	Research adaptations of different animals and plants. Try to find obscure animals and plants and explain how they are adapted. Present your findings as a model.	
10	Revision	Produce a revision card from the last 9 homework's in preparation for your end of topic test.	

Year 8 Science Homework term 3.1

Week	Title	Task	Staff Signature
1	Circuits	Describe 5 different circuits in your home. Draw simple diagrams using the correct symbols if possible. present your work as a poster	
2	Resistance	Produce a diagram that explains what resistance is in a circuit. Explain how to increase resistance and reduce it.	
3	Photosynthesis	Write a letter to a friend explaining the process of photosynthesis. You need to include the equation.	
4	Leaf structure	Create a model of a leaf. Include the different layers of the leaf and explain what each layer does.	
5	Aerobic Respiration	Explain what the difference between aerobic and anaerobic respiration is. Give examples of both.	

Year 8 Science Homework term 3.2

Week	Title	Task	Staff Signature
6	Waves	Outline the major differences between longitudinal and transverse waves. Give 3 examples of each. Present your work as a leaflet.	
7	Transverse & longitudinal waves	Draw 4 diagrams which show sound waves with low and high amplitudes, low and high frequencies.	
8	Dangers of waves	Produce a fact file on the dangers of waves. Include: gamma waves, UV waves and X-rays. You can add others from your re-	
9	Revision 1	Prepare a revision card for each topic from the last terms homework.	
10	Revision 2	Answer the revision questions from the revision booklets.	