

SCIENCE: Home Learning & Assessment Policy Summary

Science Year 7					
Topic	Assessment	Preparation	Revision	Extension	Play
Cells	Cells – End of unit test	http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/cells_systems/revision/1/	Doddle mini-quiz: <ol style="list-style-type: none"> 1. Introducing cells 2. Cells to organisms 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Design a Cell – extended homework
Structure and Function of Body systems	Structure and Function of Body systems – End of Unit Test	https://www.youtube.com/watch?v=iFCyiqycPKw	Doddle mini-quiz: <ol style="list-style-type: none"> 1. Skeletal systems 2. Digestion 3. Nutrition 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Visit the Bodyworks Exhibit Out of plasticine make a human body featuring all the systems
Reproduction	Reproduction – End of unit test	http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/reproduction/revision/1/	Doddle mini-quiz: <ol style="list-style-type: none"> 1. Human reproduction 2. Fertilisation to birth 3. The menstrual cycle 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Watch “The Human Body” by Professor Robert Winston
Acids and Alkalis	Acids and Alkalis – End of unit test	http://www.bbc.co.uk/education/topics/zn6hvcw	Doddle mini-quiz: <ol style="list-style-type: none"> 1. Indicators 2. The pH scale 3. Neutralisation 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Make your own indicator from red cabbage and test household items.
Particles and their behaviour	Particles – End of unit test	http://www.bbc.co.uk/education/topics/z9r4jxs	Doddle mini-quiz: <ol style="list-style-type: none"> 1. Particles and properties 2. State changes 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Make a list of all the solids, liquids and gases at home.
Atoms, Elements and Compounds	Atoms, elements and compounds – End of unit test	http://www.bbc.co.uk/education/guides/zt2hqv4/revision	Doddle mini-quiz: <ol style="list-style-type: none"> 1. Atoms and Elements 2. Elements and compounds 3. Naming compounds Symbols for elements	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Sort sweets and chocolates into elements, compounds and mixtures. If you have 2 different chocolates, heat them to make a compound!

Reactions	Reactions – End of Unit Test	https://www.youtube.com/watch?v=Bzu6iQe4wEY	Doddle mini-quiz: <ol style="list-style-type: none"> Types of chemical reactions Introducing Chemical reactions 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	
Forces	Forces – End of topic test	http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/forces/revision/6/	Doddle mini-quiz: <ol style="list-style-type: none"> What are forces? Gravity Magnetism Friction and upthrust 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Drop an egg from a high place and see what happens. Build a container that can rescue it from smashing!
Sound	Sound end of unit test	http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/energy_transfer_storage/revision/4/ http://www.bbc.co.uk/education/guides/z8d2mp3/revision	Doddle mini-quiz: <ol style="list-style-type: none"> What is sound? The speed of sound 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Make a “cup phone” from two cups and a piece of string.
Space	Space – End of unit test	http://www.bbc.co.uk/bitesize/ks3/science/environment_earth_universe/astronomy_space/revision/1/	Doddle mini-quiz: <ol style="list-style-type: none"> Days, years and seasons The Solar System 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Mission to Mars – extended homework Build a space craft
Light	Light – End of unit test	https://www.youtube.com/watch?v=XMVY33cZ9To	Doddle mini-quiz: <ol style="list-style-type: none"> Light waves Eyes and cameras Refraction 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Search on google for optical illusions Make a periscope

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Science Year 8					
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The Periodic Table	The Periodic Table – End of unit test	https://www.youtube.com/watch?v=fPnwBITSmgU	Doddle mini-quiz:	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Design a periodic table for all your friends and family, try to group them together!
Separation techniques	Separation – End of topic test	http://www.bbc.co.uk/bitesize/ks3/science/chemical_material_behaviour/comounds_mixtures/revision/9/	Doddle mini-quiz: <ol style="list-style-type: none"> 1. Dissolving 2. Diffusion 3. Mixtures and solutions 4. Separating Mixtures 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Separate a mixture of sand and salt using filtration and evaporation. Do a chromatography experiment at home using pens or M&Ms.
Metals and Acids	Metals and Acids – End of unit test	https://www.youtube.com/watch?v=0YR62F_QNKA	Doddle mini-quiz: <ol style="list-style-type: none"> 1. Acids and Metals 2. Properties of elements 3. The reactivity series 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	
The Earth	The Earth – End of unit test	https://www.youtube.com/watch?v=KsA-hli_sw4	Doddle mini-quiz: <ol style="list-style-type: none"> 1. The Rock cycle 2. Earth's resources 3. Earth's structure and composition 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Design and make a model of the earth including all of its layers, try paper mache or making it as a cake! Watch the film 'the core' (with a parents permission), is it scientifically accurate?
Health and Lifestyle	Health and Lifestyle – End of unit test	http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/diets_drugs/revision/1/	Doddle mini-quiz: <ol style="list-style-type: none"> 1. Nutrition 2. Digestión 3. Breathing 4. Respiration 	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Keep a food diary for a week and then analyse it to see if it fits the food triangle.

Adaptation and Inheritance	Adaptation and inheritance - End of unit test	http://www.bbc.co.uk/education/clips/zgpd2hv	Doddle mini-quiz: 1. Inheritance (KS4) 2. Similarity and variation (KS4)	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Draw a family tree and include genetic and environmental variations. Watch this youtube video https://www.youtube.com/watch?v=Qo2BDAvXu_uQ
Ecosystem Processes	Ecosystem processes – End of unit test	https://www.youtube.com/watch?v=aYmDrJWLQ4Y	Doddle mini-quiz: 1. Biodiversity 2. Food chains 3. Food webs 4. Environmental change	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	During an episode of a David Attenborough documentary try to work out the food chain for an ecosystem Create a 3d food web using plasticine, string and paper
Energy	Energy – End of Unit test	http://www.independent.co.uk/environment/costa-rica-renewable-energy-electricity-production-2016-climate-change-fossil-fuels-global-warming-a7505341.html	Doddle mini-quiz: 1. Insulators 2. Energy resources 3. Energy calculations	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Design and create an energy efficient island which relies solely on renewable energy
Motion and Pressure	Motion and Pressure – end of unit test	https://www.youtube.com/watch?v=vvbN-cWe0A0	Doddle mini-quiz: 1. Describing motion 2. Graphing speed 3. Pressure	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Measure a balloon, put it in the freezer for a few hours and remeasure it, can you explain the change in size?
Electricity and Magnetism	Electricity and Magnetism - End of unit test	http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/magnets_electric_effects/revision/1/	Doddle mini-quiz: 1. Magnetism 2. Electromagnets 3. Series circuits 4. Parallel circuits	https://www.doddlelearn.co.uk/app/teacher?#!Science/resources	Renewable Energy – extended homework