

Science		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme	Explore, problem solve, observe, predict, think, make decisions and talk about the world around them.						
Reception	Big question	What makes me great?	What happens at night?	Who you gonna call?	What will happen next?	How do animals move?	Why does food matter?
	Topic	This is me	Light & dark	People who help us	Growing and new life	Animal Carnival	Fantastic Food
	Topic	What animals live in the zoo & farm?	Why doesn't the weather just stay the same?	What are the different parts of an animal?	Let's explore different types of materials?	What is growing in our gardens?	How does summer affect living things and plants?
Meridian 1+2 Cycle A Stand-alone lessons catch when it happens seasons Autumn /winter / spring / summer	Topic	Animals including Humans	The Seasons The weather	Animals including Humans	Materials	Plants and Trees	The Seasons: Seasonal Changes
	Wider opportunities	Plan a visit to a local farm.	Outside learning to experience weather.	Real experiences. Visiting animals or city farm trip. Mini beast visitations.	Hands on opportunities to experience different types of materials.	Understanding the world around them. Walks and visits to see different trees and leaves.	Visits to outside spaces where there are planted vegetables. Growing path.
	Big question	How do we take care of our pets?	What animals like to live where?	What does melting and freezing mean?	How to grow plants from seeds?	What bugs can I find outside?	I can use my science investigating skills to solve problems?
Meridian 1+2 Cycle B	Topic	Animals including Humans	Living things and habitats	Changing Materials	Plants and Trees	Local Environment	Working Scientifically
	Wider opportunities	Roleplay of looking after animals	Exploring outside learning.	Melting ice cubes. Making frozen yoghurt Cooking link.	Planting and growing outside.	Hunting for bugs. Trip to park or local area.	Using skills learnt from topics to investigate deeper learning
	Big question	How can different types of materials be used?	Let's investigate the properties of materials?	How does our body work?	How do we hear sounds?	I can identify trees and plants?	Why do we need light?
Meridian 3+4 Cycle A	Topic	Everyday uses and their Materials	Changing Materials	Animals including Humans	Sounds and vibrations	Plants and Trees recap 1&2	Light
	Wider opportunities	links with D&T making items out of useful materials.	Cooking links	PE staying healthy	Links to music / D&T instrument making	Visit to woods.	Do you see what I see?
	Big question	What is a gas, solid or liquid?	What are Carnivores, herbivores and omnivores?	What is a magnet?	Exploring different types of rocks?	Let's investigate nurturing plants to grow?	What is electricity?
Meridian 3+4 Cycle B	Topic	States of Matter	Animals including Humans	Forces and Magnets	Rocks	Growing and observing	Electricity
	Wider opportunities	Cooking links	Visit to local area.	investigation projects	Exploring different arts	Visit to fruit picking centre. Visit to the park	Science Museum - visit the electricity exhibit
	Big question	What are changing forces affected by?	Let's compare how things move on different surfaces?	What are food chains?	What are changing materials?	How does water get transported into a plant?	What is a fingerprint?
Meridian 5+6 Cycle A	Topic	Forces and Magnets	Forces and Magnets	Animals including Humans	Everyday Materials	Plants and Trees	Forensic Science
	Wider opportunities	Investigations.	hands on investigating	Hatching butterflies, chicks or ducks	creative links	Experiments with flowers and ink	forensic workshops.
	Big question	What are Life Cycles & Living things and their habitats.	What are fossils and fuels?	How do household appliances work?	What is a light source?	How are sounds made?	What is a Science investigation?
Meridian 5+6 Cycle B	Topic	Local area - outside learning	Fossils & Fuels	Electricity	Light	Sound vibrations	Science Investigation
	Wider opportunities	Local area - outside learning	Exploring outside learning.	hands on experiments	Torches and shadows	Music links	Science Labs workshops
	Big question	What is the solar system and how do planets move in space?	Why do objects fall to the ground?	How can we classify solids, liquids and gases?	I can investigate which materials are soluble in water?	What impact do humans have on the living things around us?	What major organs are inside me?
Hasebury Year 7	Topic	Earth and Space	Forces and gravity	States of Matter	Changing Materials Particles in Motion	Looking after our world?	Animals including humans
	Wider opportunities	Art links to create plants and structures	Outside learning	Cooking links	Cooking links	Investigation projects outside learning.	PE learning how to keep strong and healthy.
	Big question	How does energy change and transfer?	What information can fossils give us?	How are shadows formed?	What does current and voltage mean?	What animals live in a tropical habitat and how can I protect them?	What is renewable energy?
Hasebury Year 8	Topic	Physics	Evolution and inheritance	Light Investigation (Knowledge)	Electricity and Energy (Knowledge)	Looking after our world: Wild animals	Renewable Energy
	Wider opportunities	D&T Project Lunch box & Cooking link	Natural history museum visit or online	Creative -work links.		Visits	links to climate change learning.
	Big question	What is a Chemical Reaction?	What is going on inside my body?	What can we build to hold a heavy weight?	What is Electricity and Energy?	Why do oceans have tides and how do we protect them?	I can use my science skills to investigate a topic?
Hasebury Year 9	Topic	Chemistry: Chemical Reactions	Animals including humans Biology	Forces: gravity	Electricity and Energy (construction project)	Our World - Oceans.	Investigative Science Investigative skills using investigations based on chemistry/physics
	Wider opportunities	Loreal young scientist visit workshop.	(life and work Healthy lifestyles When health goes wrong) PSE Aut 1 substance mis-use on lung Heart Liver	Performing arts workshops	Project linked to science workshops	Visits	Lab Skills -Afward visit
	Big question	What is our solar system?	How do we explore the universe?	How do my organs function to keep me alive?	How does my lifestyle impact my health?	Understanding Electronic Circuits in the world around us?	How do we use electricity safely?
Learning for life Year 10 Wjec Science Today	Topic	Solar System	Our Universe	Human Body	Keeping ourselves healthy	Electricity	Keeping safe with electricity
	Focus	Describe our Solar System & identify spiral galaxies.	What equipment can we use to learn more about the universe around us. Space-based telescopes over earth-based telescopes identifying the differences.	How do my organs function to keep me alive? What functions do my organs do. (revisited y 9)	Exploring environmental and genetic factors that have an impact on our bodies and health. Learn how my lifestyle can affect my body's health.	Electricity Circuits. Hands on experience of building circuits. Understanding currents and circuit boards.	Identify some hazards associated with the use of electricity. Suggest some ways to reduce risks when using electricity boards.
	Big question	What is our solar system?	How do we explore the universe?	How does my lifestyle impact my health?	How does my lifestyle impact my health?	Understanding Electronic Circuits in the world around us?	How do we use electricity safely?
Learning for life Year 10 Wjec Science Today	Topic	Solar System	Our Universe	Human Body	Keeping ourselves healthy	Electricity	Keeping safe with electricity
	Focus	Describe our Solar System & identify spiral galaxies images of the Sun produced using different parts of the electromagnetic spectrum advantage of	Space-based telescopes over earth-based telescopes identifying the differences. What equipment can we use to learn more about the universe around us.	How do my organs function to keep me alive? What functions do my organs do. (revisited y 9) how my lifestyle can affect my body's health.	What functions do my organs do. (revisited y 9) how my lifestyle can affect my body's health.	Electricity Circuits. Hands on experience of building circuits. Understanding currents and circuit boards.	Identify some hazards associated with the use of electricity. Suggest some ways to reduce risks when using electricity