



Science Curriculum Enrichment – Autumn Term Homework



Categories	Year7- Particles, Forces 1, Cells, Atoms and elements	Year 8 – Structure and function of body systems, separating mixtures, Waves 2, Health and disease	Year 9 – Chemical reactions 3, body systems and enzymes, electricity and magnets3, Patterns in the periodic table
Further Reading	Science Journal for Kids and Teens Particles: nanotech-corals_article.pdf (sciencejournalforkids.org) Atoms: sugar_article.pdf (sciencejournalforkids.org)	Science Journal for Kids and Teens Body systems / health: t-cells_article.pdf (sciencejournalforkids.org) Health: tax_article.pdf (sciencejournalforkids.org)	Science Journal for Kids and Teens Catalyst magazine – Targeting a range of Science topics for 14-19 year olds. Catalyst Magazine - About Catalyst (catalyst-magazine.org) Electricity: energy_article.pdf (sciencejournalforkids.org)
Films or Documentaries	Force and motion: Science Trek Force and Motion PBS Cells: BBC - Our Secret Universe The Hidden Life of the Cell - video Dailymotion	Health and disease: Operation Ouch - Bacteria & Infections Immune System (youtube.com) Body systems: @OperationOuch Learning About the Human Body Back to School Science for Kids @Wizz (youtube.com) Waves: BBC The Secret Life of Waves - video Dailymotion	BBC iPlayer -Secret Genius of modern life – Hannah Fry. Range of episodes, one including how the electric car has been designed. Enzymes: Meet the enzymes living in your house Vicky Huang TED Institute (youtube.com) Magnets: Curious Crew Magnetism Season 1 PBS and/or Mystery of Magnetism Unveiled: The Powerful World of Magnets - Documentary 2023 (youtube.com)
Education Visits	Running 10- 19 th October 2025 Sidmouth Science Festival Exmoor Dark Skies Festival- 17 th October to 2 nd November Exmoor Dark Skies Festival Exmoor (exmoor-nationalpark.gov.uk)	Running 10- 19 th October 2025 Sidmouth Science Festival Exmoor Dark Skies Festival- 17 th October to 2 nd November Exmoor Dark Skies Festival Exmoor (exmoor-nationalpark.gov.uk)	Running 10- 19 th October 2025 Sidmouth Science Festival Walking up to the Quantocks to have view of Hinkley point. Hinkley visitors center (there will be a trip around the site with school this year too) Exmoor Dark Skies Festival- 17 th October to 2 nd November Exmoor Dark Skies Festival Exmoor (exmoor-nationalpark.gov.uk)
Research Projects	Making a model cell Make a model of the atom Balance forces: Balance the Forces Within a Mobile STEM Activity (sciencebuddies.org)	Making a model digestive system Making waves in slow motion: Waves in Slow Motion STEM Activity (sciencebuddies.org) Model your blood flow : Model Your Blood Flow STEM Activity (sciencebuddies.org)	Making honeycombe- an example of thermal decomposition! Homemade honeycomb recipe Good Food (bbcgoodfood.com) Learn the periodic table by playing 'Periodic table battleships': FREE Periodic Table Battleship Handout – Middle School Science Blog



Science Curriculum Enrichment – Spring Term Homework



Categories	Year7- Waves, chemical reactions 1, Reproduction	Year 8 – Chemical Reactions 2, Energy 2, Variation and inheritance, Rocks	Year 9 – Life processes, Energy 3, Impact on Earth
Further Reading	Science Journal for Kids and Teens Waves: waves_article.pdf (sciencejournalforkids.org)	Science Journal for Kids and Teens	Science Journal for Kids and Teens Catalyst magazine – Targeting 14-19 year olds about a range of topics across Science Catalyst Magazine - About Catalyst (catalyst-magazine.org)
Films or Documentaries	Chemical reactions: Chemical Reactions S152LS21 (youtube.com) Chemical Curiosities: Chemical Curiosities: Surprising Science and Dramatic Demonstrations - with Chris Bishop - YouTube	Energy: Bill Nye The Science Guy Energy (youtube.com) Variation and inheritance: BBC iPlayer - Life on Earth - 10. Themes and Variations Rocks: The Skin of the Earth - Where Life Meets Rocks - YouTube	BBC iPlayer - Earth from Space – Episode 8 shows how the planet is changing
Education Visits	Mark Thompsons Spectacular Science show Brewhouse Taunton 26 th Feb 2026	Mark Thompsons Spectacular Science show Brewhouse Taunton 26 th Feb 2026 Visiting a zoo (Paignton/ Exmoor/ Wildplace) Eden Project, variation and adaptations in plants- Cornwall	Eden project, leaf structure and photosynthesis - Cornwall
Research Projects	How to make a bath bomb Good Food (bbcgoodfood.com) Making sound waves: Making Sound Waves STEM Activity (sciencebuddies.org)	Chemical reactions: Make a Lemon Volcano STEM Activity (sciencebuddies.org) Rocks: Model the Rock Cycle with Crayons STEM Activity (sciencebuddies.org)	Energy: Build a Marble Roller Coaster STEM Activity (sciencebuddies.org)



Science Curriculum Enrichment – Summer Term Homework



Categories	Year7- Ecosystems, Electricity 1, space 1	Year 8 – Rocks, Motion and forces, electricity and magnets, space 2	Year 9 –
Further Reading	<p>Science Journal for Kids and Teens</p> <p>Space: veggie_article.pdf (sciencejournalforkids.org)</p> <p>Ecosystems: flowers_article.pdf (sciencejournalforkids.org)</p>	<p>Science Journal for Kids and Teens</p> <p>Space: bones_article.pdf (sciencejournalforkids.org)</p>	<p>Science Journal for Kids and Teens</p> <p>Catalyst magazine = Catalyst Magazine - About Catalyst (catalyst-magazine.org)</p> <p>Space: Mars_carbon_article_lower_level.pdf (sciencejournalforkids.org)</p> <p>Separating mixtures: Sludge_article.pdf (sciencejournalforkids.org)</p>
Films or Documentaries	<p>How the Fig Tree Strangles other Plants David Attenborough BBC Studios - YouTube</p> <p>Ecosystems: Extraordinary Ecosystems Go Wild (youtube.com)</p>	<p>BBC iPlayer – Brian Cox - Seven days on Mars OR Human Universe</p> <p>Electricity: Zap, Crackle and Pop: The Story of Electricity (youtube.com)</p>	<p>Separating mixtures: Chemistry & Physics Chemistry 203: Separation of Mixtures Season 1 Episode 203 PBS</p>
Education Visits	<p>Planetarium at We the Curious, Bristol</p> <p>Events - Tim Peake</p>	<p>Planetarium at We the Curious, Bristol</p> <p>Events - Tim Peake</p>	<p>Events - Tim Peake</p>
Research Projects	<p>Model distances between planets : Model the Distances between Planets in our Solar System STEM Activity (sciencebuddies.org)</p> <p>Mars Day (stem.org.uk)</p> <p>STEM Learning</p> <p>Space: Creating Craters STEM Activity (sciencebuddies.org)</p>	<p>Make magnetic slime: Make Magnetic Slime STEM Activity (sciencebuddies.org)</p> <p>Make a compass: Make a Homemade Compass STEM Activity (sciencebuddies.org)</p> <p>STEM Learning</p>	<p>STEM Learning</p> <p>Space: Stargazing for Satellites STEM Activity (sciencebuddies.org)</p> <p>Separating mixtures: Chromatography: Be a Color Detective STEM Activity (sciencebuddies.org) and/or Chromatography Trolls Activity (updated 2018) Teaching Resources (tes.com)</p>