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| Subject: Science Year 8 Curriculum Map 2024-2025 |
| Terms | **Topics covered** and **core knowledge and skills** | Links to careers | Links to the Knowledge organiser and other additional resources |
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| Half term 1 | Unit 01 – “Human Body”* Organisation & 7LP
* Skeletal system & Joints
* Circulatory system
* Heart
* Blood vessels
* Heart dissection
* Digestive system
* Food tests
* Enzymes
* Enzymes practical
* Respiratory system
* Aerobic Respiration
 | <https://www.healthcareers.nhs.uk/nursing-careers/nursing-careers/school-or-college/school-or-college><https://edu.rsc.org/job-profiles/process-chemist-higher-apprentice-pharmaceuticals/4013847.article> |  |
| Half term 2 | Unit 02 – “Reactions (part 1)”* What are hazard symbols
* Chemical vs Physical Changes
* How do we write word equations
* Conservation of mass
* Conservation of mass *practical*
* How can we identify acids and alkalis
* How can acids and alkalis be used
* How can we make our own indicator
* What happens when we mix an acid and alkali
* Endothermic and exothermic reactions
* Endothermic and exothermic *practical*
* What are Oxidation reactions?
* What are Thermal decomposition reactions?
* Thermal decomposition *practical*
 | [How to become a solar farm manager: Manish's story - BBC Bitesize](https://www.bbc.co.uk/bitesize/articles/z6gjscw)[How to become the co-founder of a green business - BBC Bitesize](https://www.bbc.co.uk/bitesize/articles/zhrgmfr)[Life as a zero waste shop owner: Lydia's story - BBC Bitesize](https://www.bbc.co.uk/bitesize/articles/z77f7nb) |  |