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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) |  |