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| Subject: Science Year 7 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 – “Introduction to Science”   * What is health and safety? * How do we risk assess? * Equipment & Bunsen Burners * How do we make measurements? [PRAC] * What are variables? How do we draw tables? * Bouncing ball [PRAC] * How do we plot bar charts? * How do we plot scatter graphs? * Continuous & Discontinuous data [PRAC] * How do we write a conclusion? * Numeracy & Using a scientific calculator | <https://nationalcareers.service.gov.uk/job-categories/science-and-research> | [Y7 01 Intro to Science Knowledge Organiser.docx](https://ormistonacademiestrust.sharepoint.com/:w:/r/sites/OMaA_Science/Shared%20Documents/Science%20drive/2024-2025%20-%20COMING%20SOON!!/CURRICULUM/KS3/YEAR%207/01%20How%20Science%20Works/Y7%2001%20Intro%20to%20Science%20Knowledge%20Organiser.docx?d=w0f7a5db0c3e448e19012d5eb65670fda&csf=1&web=1&e=UN3q4G)  [Y7 HSW GLOSSARY.docx](https://ormistonacademiestrust.sharepoint.com/:w:/r/sites/OMaA_Science/Shared%20Documents/Science%20drive/2024-2025%20-%20COMING%20SOON!!/CURRICULUM/KS3/YEAR%207/01%20How%20Science%20Works/Y7%20HSW%20GLOSSARY.docx?d=wb8062e4f278f42b29c3a360744d2d940&csf=1&web=1&e=SkccUv) |
| Half term 2 | **Unit 02 – “Cells”**   * What are animal cells? * What are specialised animal cells? * What are plant cells? * What are specialised plant cells? * How do we use a microscope? [PRAC] * How do we make a microscope slide? [PRAC] * How do we calculate sizes using a microscope? * How are leaves adapted for their job? * What is photosynthesis? * What is photosynthesis? [PRAC] * What are single celled organisms? * What is respiration? * Useful microorganisms * Harmful microorganisms * Growing bacteria [PRAC] |  |  |