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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/%3Aw%3A/r/sites/OMaA_Science/Shared%20Documents/Science%20drive/2024-2025%20-%20COMING%20SOON%21%21/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/%3Aw%3A/r/sites/OMaA_Science/Shared%20Documents/Science%20drive/2024-2025%20-%20COMING%20SOON%21%21/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]
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