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| Subject: Science Year 9 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 3 | **Unit 03 – “Industrial Chemistry”*** Diffusion.
* Diffusion investigation (concentration).
* Density.
* Density investigation.
* Exothermic & Endothermic reactions.
* Exothermic & Endothermic investigation.
* Catalysts.
* Reactivity series.
* Reactivity series investigation.
* Extracting metals.
* Ceramics.
* Polymers.
* Composite materials.

Recycling materials. | <https://www.bbc.co.uk/bitesize/articles/zjpc382#zfb8dp3><https://edu.rsc.org/product-and-process-development-manager/4015740.article><https://edu.rsc.org/job-profiles/science-communicator/4010947.article><https://edu.rsc.org/job-profiles/fine-fragrance-evaluator/4010916.article> | [Industrial Chemistry Knowledge Organiser](https://ormistonacademiestrust.sharepoint.com/sites/OMaA_Science/Shared%20Documents/Science%20drive/Curriculum/2023%20-%202024/KS3/Year%209/03%20Industrial%20Chemistry/Industrial%20Chemistry%20KNOWLEDGE%20ORGANISER.docx) |
| Will conclude in half term 4. | **Unit 03 – “Addiction Support Worker”*** What is a drug?
* Respiratory system.
* Issues associated with smoking.
* The heart.
* CHD.
* Issues associated with alcohol.
* Discovering antibiotics.

How are drugs developed. | <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> | [Addiction support worker KO](https://ormistonacademiestrust.sharepoint.com/sites/OMaA_Science/Shared%20Documents/Science%20drive/Curriculum/2023%20-%202024/KS3/Year%209/04%20Addiction%20Support%20Worker/Year%209%20Unit%2004%20Addiction%20Support%20Worker%20KO.docx) |
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| Half term 4 | **Unit 05 – Cells into Systems*** Awaiting information to be uploaded.
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