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**Subject: RM**

**Year: Y11**

**Term: Spring 2 (6 weeks)**

**Greenwood School Curriculum Summary**

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| **Episode name** | **Episode outline** | **Online link(s)** | **Other Resources** |
| **Week 1 – Lesson 1:**  Introduction to Metals | Looking a where metals come from, how they are made and what they are used for. | <https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/1> |  |
| **Week 1 – Lesson 2:**  Forces and Stresses on Metals | Considering the different forces and stresses that affect metals and how this can show. | [Forces and stresses - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/2) |  |
| **Week 2 – Lesson 1:**  Sustainability When Working with Metal | Considering the 6 R’s when working with metal in order to work more sustainably. | [Ecological and social footprint - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/3) |  |
| **Week 2 – Lesson 2:**  Sources and Origins of Metals | Looking at how metals are made in further detail and looking at the reactivity series for different metals. | [Sources and origins - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/4) |  |
| **Week 3 – Lesson 1:**  Use of Metal in Commercial Products | Considering which metals are used for which purpose and why. | [Use of material properties in commercial products - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/5) |  |
| **Week 3 – Lesson 2:**  Stocks, Forms, Types and Sizes of Metals | Looking at how you would order metal for a project. | [Stock forms, types and sizes - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/6) |  |
| **Week 4 – Lesson 1:**  Scales of Production | Looking at the different scales of production from one off to continuous production. | [Scales of production - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/7) |  |
| **Week 4 – Lesson 2:**  Tools, Equipment and Processes When Working with Metal | Considering which workshop tools you would use to shape and form metals. | [Tools, equipment and processes - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/8) |  |
| **Week 5 – Lesson 1:**  Commercial Processes | Looking at which processes are used to form and shape metal on an industrial scale. | [Commercial processes - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/9) |  |
| **Week 5 – Lesson 2:**  Accuracy and Quality Control | Considering the tools you can use to ensure your work is accurate. | [Accuracy and quality control - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/10) |  |
| **Week 6 – Lesson 1:**  Surface Treatments and Finishes | Looking at the different ways you can finish metals. | [Surface treatments and finishes - Metal-based materials - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/revision/11) |  |
| **Week 6 – Lesson 2:**  Test your knowledge on Metals | Take the test questions to test your learning. | [Metal-based materials - AQA test questions - AQA - GCSE Design and Technology Revision - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z6d48mn/test) |  |