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**Subject: RM**

**Year: KS4 – Y10 and Y11**

**Term: Spring 1**

**Greenwood School Curriculum Summary**

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| **Episode name** | **Episode outline** | **Online link(s)**  | **SMSC** |
| Timbers: Types of Wood | Explore hardwoods, softwoods and manufactured boards and consider pros/cons and the properties of each. | [Sources and origins - Timbers - Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/1) | M, Sp |
| Timbers: Characteristics and Properties | To be able to use timbers characteristics: knots, colour, grain and working properties of woods when selecting a wood to use. | [Characteristics and properties - Timbers - Edexcel - GCSE Design and Technology Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/2) | M, Sp |
| Timbers: Social and Ecological Issues | Explore some of the implications that woods have on the environment and how the 6 R’s help designers to be more environmentally aware. | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/3> | M, Sp |
| Timbers: Selecting Timbers | Explore which materials would be selected for certain purposes based on their working properties. | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/4> | Cu |
| Timbers: Stock Forms | Explore the different stock sizes that wood can be purchased in and use mathematics to calculate how much wood you would need for a specific job.  | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/5> | Ca |
| Timbers: Reinforcing and Stiffening | To be able to explain ways that wood can be reinforced or stiffened to make it stronger against force. | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/6> | Cu |
| Timbers: Production in Quantity | Explore scales of production and get an overview of each. | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/7> | Ca |
| Timbers: Shaping | Explore the tools used in shaping wood. | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/8> | Sp, Ca |
| Timbers: Fabricating | Explore how timber can be joined to create products. | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/9> | Sp, Ca |
| Timbers: Fittings and Fixings | To explore the fixings and fittings that can be added to a product to make it work and complete its purpose. | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/10> | Sp, Ca |
| Timbers: Surface Finishes | To explore the range of finishes that can be applied to timber. | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/11> | Sp, Ca |
| Timbers: Recap video and Knowledge Test | Watch the video on the video tab to recap learning, then complete the practice questions and check your score. | <https://www.bbc.co.uk/bitesize/guides/zhyny4j/test> |  |