

# Design Technology Year 11

## We will be learning about...

Students will be learning about the selected material specialism of timber including natural, manufactured and engineered woods. Students will also be preparing for their final design technology exam, revisiting technology in the 21st century, materials, processes and systems.

Week	Key Learning – Revision and preparation	Homework
1	<ul style="list-style-type: none"> <li>Categories and properties of metals and polymers</li> <li>Uses of materials and case studies</li> <li>Standard and stock forms</li> </ul>	Seneca revision, metal and polymers
2	<ul style="list-style-type: none"> <li>Sustainability and selection of timber</li> <li>Examples, use case and country of origin</li> <li>Application and suitability</li> </ul>	Seneca revision, on Woods.
3	<ul style="list-style-type: none"> <li>Transfer of motions</li> <li>Gears, linkages and pulleys</li> <li>Electronics and systems</li> </ul>	Seneca revision on forces, mechanisms and systems.
4	<ul style="list-style-type: none"> <li>Targeted learning from each section</li> <li>Exam structure</li> <li>Extended questioning and</li> <li>In depth materials section</li> </ul>	Targeted and individual sections for the students.

## Enrichment opportunities:

Students do have the option to attend catch up sessions if needed during lunchtimes or after school if they feel they need more time and support on their practical product.

## How can you help?

Parents can support their child in DT by talking to them about the project they are undergoing and encourage them to do their best. It is also helpful if students are provided with a quiet place to do their homework tasks.

Excellent links can be found on the internet such as

[www.technologystudent.com](http://www.technologystudent.com)

[www.senecalearning.com](http://www.senecalearning.com)

[www.bbc.co.uk/bitesize/subjects](http://www.bbc.co.uk/bitesize/subjects) then selecting Design Technology.

## Key Vocabulary

Explain	Justify	Expand	Molecular	Rhovyl	Ferrous	Application
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