

Year 7 - Term 1

**To ensure our curriculum provides a broad range of experiences and learning opportunities, students will study a range of subjects on a carousel. These subjects will last one term and all students will have the opportunity to experience these subjects over the course of an academic year.**

	<b>Prior knowledge</b>	<b>Current learning</b>	<b>Future knowledge</b>
Design and Technology	<ul style="list-style-type: none"> <li>• Students should have a basic understanding of the Design, Make and Evaluate process.</li> <li>• Students should be able to think about how they can create appealing products which have a sense of purpose and created for a target audience.</li> </ul>	<ul style="list-style-type: none"> <li>• Students will have a combination of practical and creative activities to provide skills and knowledge to safely produce and design a product using a variety of techniques and tools.</li> <li>• Investigate properties and applications of natural timbers. (softwoods / hardwoods)</li> <li>• Safely use a variety of tools and techniques which include try square, tenon saw and disc sander.</li> <li>• Explore product packaging with paper and cardboard modelling.</li> <li>• CAD modelling using the iPad</li> </ul>	<ul style="list-style-type: none"> <li>• Investigate a wider range of manufacturing processes using both traditional and modern methods (CAD/CAM).</li> <li>• Apply knowledge and understanding of primary and secondary research in greater detail.</li> <li>• Investigate properties and applications of manufactured timber materials, ie Plywood and MDF.</li> <li>• Designer studies on Gerrit Rietveld and Ettore Sottsass.</li> </ul>