

## Unit Specific Knowledge – Mechanisms Year 1

	Technical Knowledge	Procedural Knowledge
Lesson 1 – Evaluating Existing Products and Ideas	<ul style="list-style-type: none"> <li>• A slider is something that moves in straight lines</li> <li>• A pivot is the central point</li> <li>• A lever is an arm that moves and can have things attached at either end</li> <li>• Slider created movement that is straight</li> <li>• Levers create movement that is circular.</li> <li>• The mechanism is chosen based on the movement wanted.</li> <li>• Mechanisms have hidden parts.</li> </ul>	<ul style="list-style-type: none"> <li>• Moving the levers and sliders slowly and carefully and in the correct direction.</li> </ul>
Lesson 2 – Focussed task	<ul style="list-style-type: none"> <li>• Pivots can be placed in different places.</li> <li>• Card is used because it stiff and doesn't bend as easily.</li> <li>• A background needs to not bend easily.</li> </ul>	<ul style="list-style-type: none"> <li>• Punching holes in paper.</li> <li>• Using a split pin.</li> <li>• Using scissors.</li> <li>• Gluing different objects together.</li> </ul>
Lesson 3 – Designing	<ul style="list-style-type: none"> <li>• <a href="#">Linked to design spec</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Linked to design spec</a></li> </ul>
Lesson 4 – Making	<ul style="list-style-type: none"> <li>• Pivots can be placed in different places.</li> <li>• Card is used because it stiff and doesn't bend as easily.</li> <li>• A background needs to not bend easily.</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Punching holes in paper.</li> <li>• Using a split pin.</li> <li>• Using scissors.</li> <li>• Gluing different objects together.</li> </ul>
Lesson 5 – Evaluating	<ul style="list-style-type: none"> <li>• <a href="#">Linked to design spec</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Linked to design spec</a></li> </ul>