

KS3 Technology: Key Skills & Concepts	Emerging	Developing	Securing	Mastering
<p>Coathook Project - Practical Metalworking, safety in the workshop and CAD/CAM skills.</p>	<p>You have produced a complete and finished product using a Pillar drill, Files, Riveting and finished it with Plastic Coating.</p>	<p>You have produced a high quality product with minimal mistakes. You have successfully used a Pillar drill, Files, Riveting and finished it with Plastic Coating to a high standard.</p>	<p>You have produced a high quality product with minimal mistakes. You have successfully integrated CAD/CAM using the Stika machine, Laser cutter or both to enhance your design.</p>	<p>You have produced an exceptionally high quality product with no quality mistakes. You have successfully integrated CAD/CAM using the Stika machine and Laser cutter to enhance your design.</p>
<p>Coathook Project - Theory Metalworking tools, safety in the workshop and CAD/CAM skills.</p>	<p>You can name workshop safety points for Plastic Coating. You can identify some key metal working tools.</p>	<p>You can name appropriate machine specific workshop safety points. You can identify most key metal working tools.</p>	<p>You can name appropriate machine specific workshop safety points. You can identify and fully label all key metal working tools. You can explain and describe the processes of cold riveting and Plastic coating.</p>	<p>You can name appropriate machine specific workshop safety points. You can identify and fully label all key metal working tools. You can fully explain and describe in detail the processes of cold riveting and Plastic coating.</p>
<p>Steady hand Game Project - Practical Understanding Electronics, assembling following instructions, Soldering and further CAD/CAM work.</p>	<p>You have followed a set of instructions and produced a complete, working and finished product using the different equipment.</p>	<p>You have produced a high quality product with minimal mistakes and a working circuit. You have finished it to a high standard using colour printing after carefully sanding it.</p>	<p>You have produced a high quality, working product with minimal mistakes and a reliable circuit. You have successfully integrated CAD/CAM using the Stika machine, Laser cutter or both to enhance your design.</p>	<p>You have produced an exceptionally high quality, fully working product with no quality mistakes. You have successfully integrated CAD/CAM using the Stika machine and Laser cutter to enhance your design.</p>
<p>Steady Hand Game Project - Theory Understanding Electronics, types of circuit, current, voltage, resistance and further CAD/CAM work.</p>	<p>You can name most of the components used and can identify a series and parallel circuit, and can identify some of the tools you used.</p>	<p>You can name all of the components used and can identify a series and parallel circuit, and can identify all of the tools you used. You can also explain the process of soldering.</p>	<p>You can name all of the components used and can identify a series and parallel circuit, You can also identify how the voltage is divided up depending on the type of circuit. You can identify all of the tools you used, and explain in detail the process of soldering.</p>	<p>You fully understand and can explain in detail the Types of Circuit. You have an accurate knowledge of all the tools and equipment you used. You can fully explain how changing from a Series to a Parallel circuits affects how much voltage and current goes to each component.</p>