


Year 6: Mechanical Systems

Subject Specific Vocabulary		Product Outcome	Important Knowledge
authentic	Something that is believable, real and meaningful (not a copy of something).		<input type="checkbox"/> I know the components of an automata toy. <input type="checkbox"/> I know how to measure, mark, cut and check the accuracy of the wood and card automata components.
justify	To prove something to be right or true.		
innovative	A new idea, product or way of doing something.		<input type="checkbox"/> I can select and use a range of tools safely. <input type="checkbox"/> I can cut and assemble a stable frame with precision to achieve a high-quality finish.
precise	To be exact and accurate.		<input type="checkbox"/> I know the cam profile causes a follower to rise, fall or remain static at different points depending on its shape.
market research	The activity of gathering information about consumers' needs and preferences.		<input type="checkbox"/> I can design an automata mechanism to meet my design criteria.
automata	A moving mechanical device.		<input type="checkbox"/> I can measure and apply panels to my automata to conceal the inner-workings. <input type="checkbox"/> I know that good quality products should be neat, accurate and securely assembled.
component	A part or element of a larger whole, especially a part of a machine or vehicle.		<input type="checkbox"/> I can critically analyse my product to produce an evaluation about how my product could be enhanced.
cam profile	The outer surface of the cam.		
follower	The device that follows the movement of the cam: a lever or a slider.		
framework	An essential supporting structure.		