

## Year 6 Design Technology

Steps to knowing	End Point statement						
Which products	How do gears and	How can I use	What research can	How can I	What techniques	How will I test the	Mechanical systems -
include gears and	pulleys work?	pulleys to alter	I carry out in order	communicate my	have I	success of my	•
· ·					•		Mechanical systems - Design, make and evaluate a purposeful mechanical system using pulleys or gears. Explore combinations of gears and pulleys to create working moving models.
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What are the features of successful products that combine shapes (consider functionality/user /purpose/compo nents)?	Which designers have influenced fabrics and products significantly?	How can I measure, mark, cut, shape and join materials securely?  What do I notice when I disassemble products?  How have products been strengthened and stiffened? How have parts been joined?  What fastenings are used and why?	What research can I carry out in order to create a design specification for my product?  What knowledge and skills do I need to be able to design and make a good quality product?	How can I use annotated sketches/diagram s from different perspectives and CAD to share my plans and ideas? How can I use paper to create a 3D mock-up of the design I want to produce? How can I refine my design using CAD to develop	What techniques have I demonstrated to ensure that I have created a well finished product that matches the intended user and purpose (joining sides, tacking, starting and finishing stitches, fastening)?  What changes do I need to make if the product is not	How will I test the success of my product?  Does my product meet the needs of the user? Is it appealing and does it fulfil its purpose? Is it innovative?	Textiles - Design, make and evaluate a purposeful product using joined fabric shapes. Develop stitches to include more than one type for joining and embellishment and include a means of fastening eg Velcro, ties and buttons.
				CAD to develop patterns and design prints?	the product is not fulfilling my design specification?		
What is meant by culture?	What are the key ingredients needed to make a	How do I measure out, cut, shape and	How can we make a design brief and design	How can I show a clear plan for the steps,	Can I select the utensils and equipment	Does my product meet the design	Food - Design, make and evaluate a food product which celebrates



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How do particular products take into consideration personal/cultural preferences, a healthy diet and meet dietary needs?  Do particular products use locally sourced, seasonal or organic ingredients?	particular product?  Where and how have they been produced?  Include the work of a renowned chef who promotes culture.	combine ingredients? e.g. knead, beat, rub and mix ingredients.  How can I follow a recipe effectively and safely, including the use of a heat source?	specification for the purpose and user that celebrates culture?  How can I show a range of innovative ideas that celebrate culture and that will meet the design specification, including annotated sketches?	ingredients, utensils and equipment needed?	correctly and measure and prepare the ingredients to make my product?	brief and design specification? How can I include the views of others? Is there anything I might do differently next time?	culture. Demonstrate knowledge of how to use utensils (including heat sources) to prepare and cook food. Understand about the source of different food products. e.g. pasties, scones
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Vocabulary

mechanical system, electrical system, pulley, drive belt, gear, rotation, spindle, driver, follower, ratio, transmit, motor circuit, switch, circuit

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