

Yox Valley Partnership of Schools Design and Technology Curriculum					
Design Make Evaluate	Key Stage 1		Lower Key Stage 2	Upper Key Stage 2	Core Knowledge
<b>CONFLICT</b>  <b>Autumn</b>	Can we improve castles with our modern materials? <b>Materials</b>		How can we honour the WW2 veterans? <b>Materials/construction</b> <b>Remembrance celebration</b>	How can we use mechanics to simplify manual labour?  <b>Mechanics- levers/pulleys/ gears</b>	<b>Application of technical knowledge</b>
<b>PLANET EARTH</b>  <b>Spring</b>	What would it look like if all the animals lived in the same place ?  <b>Computing</b>		Can your design withstand a natural disaster? <b>Construction</b>	How does sustainability impact a human diet?  <b>Food health and sustainability</b>	<b>Impact of design on nature</b>
<b>BRITAIN</b>  <b>Summer</b>	What meal would be fit for a queen?  <b>Food – Tea party</b>	What clothes would be fit for a queen?  <b>Textiles</b>	How would you commemorate the life of Edward VI?  <b>Materials</b>	How would you commemorate the impact of the suffragettes in a sash today?  <b>Textiles</b>	<b>Using design for commemoration</b>
<b>HUMAN KIND</b>  <b>Autumn</b>	How can you change the volume in an instrument? <b>Construction</b>		How can we use textiles to represent the changes to Dunwich? <b>Textile representation</b>	How will people of the future know how we live today? <b>Stop start animation /Computing</b>	<b>Creating a legacy through manufacture</b>
<b>INVENTIONS</b>  <b>Spring</b>	How can we adjust the speed that a wheel turns? <b>Mechanics levers/ wheels</b>		How could new inventions improve fire safety? (warning /alarm system) <b>Magnets /Electrical circuits</b>	What can you design that makes the light in a bulb even brighter? <b>Electrical circuits</b>	<b>Risk Taking to develop basic inventions</b>
<b>CIVILISATIONS</b>  <b>Summer</b>	How can electricity be used to help us?  <b>Electricals</b>		How do the seasons impact the food we eat?  <b>Food and packaging design</b>	What uses do cams and cranks have?  <b>Mechanics</b>	<b>Application of technical Knowledge</b>

