



# Long Term Plan for: DT



## Cooking and hygiene

## Textiles

## Structures

## Mechanisms

## IT Control and Monitoring

	Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	On-going opportunities to explore the properties of different materials and different joining techniques in the designated 'creative' area of the classroom. Focused teaching of different D&T skills, including: How to create a split pin fastening safely, using blutack and a sharp pencil (astronauts). How to hold and pass scissors safely. 'Which boat floats the best?' investigation – cardboard, plastic, paper, foil. Which would be the best joining material to use if you want to paint over it – sellotape or masking tape? Cutting and cooking vegetables for a stir fry- Chinese New Year.	<b>Mechanisms: levers</b>  WALT use levers to make a picture move.	<b>Cooking and hygiene: savoury dishes</b>  WALT use simple measuring aids and prepare food for cooking in an oven.	<b>Textiles: sewing</b>  WALT make our own purse/wallet using a running stitch.	<b>Cooking and hygiene: biscuits</b>  WALT weigh ingredients using kitchen scales accurately.	<b>Textiles: applique</b>  WALT make a whole class collage using applique and embroidery techniques.	<b>Cooking and hygiene: soup</b>  WALT choose foods which are in season and know where the food has come from and how it is grown.
Spring		<b>Structure: homes</b>  WALT choose a selection of materials to make a model home.	<b>Textiles: weaving</b>  WALT weave using a loom.	<b>Cooking and hygiene: sandwiches</b>  WALT combine food to make a sandwich, taking flavour and texture into account.	<b>Textiles: macrame</b>  WALT use square knots to make a bracelet.	<b>Mechanisms: cams</b>  WALT make a moving toy using cams.	<b>Structures: bird boxes</b>  WALT cut wood neatly to 1mm accuracy and join materials with glue, nails and screws.
Summer		<b>Cooking and hygiene: fruit salad</b>  WALT mix ingredients with hands or a spoon.	<b>Mechanisms: wheels and axles</b>  WALT use wheels and axles to make a moving vehicle.	<b>Structures: photo frames</b>  WALT make stable frameworks using strengthening struts and cut wood with accuracy.	<b>Structures: bridges</b>  WALT join materials with glue and design and make a strong framework.	<b>Cooking and hygiene: pizza</b>  WALT cut, slice, peel and grate foods as appropriate.	<b>IT Control and Monitoring: micro:bits</b>  WALT use coding to help design a product.