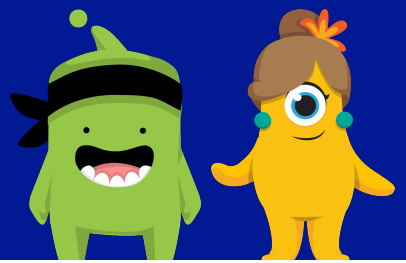
FLORENCE MELLY COMMUNITY PRIMARY SCHOOL

DT CUMULATIVE END GOALS – END OF KS1

IF YOU CAN DREAM IT, YOU CAN DO IT!



Design Technology Cumulative End Goals - End of KS1					
	Mechanisms	**Textiles**	**Food & Nutrition**	**Understanding Materials**	**Structures**
Celebration of our city	**The Port of Liverpool - Cranes**	**Liverpool, Capital of Fashion**	**The Tradition of Scouse**	**Radio City Tower**	**Liver Building**
Year 1	**To know:** Common uses of sliders Different methods to create card sliders How sliders can create simple mechanisms **Be able to:** Design and make a slider product Evaluate the success of their outcomes and recommend improvements	**To know:** Fabric can be joined together using a running stitch The types and names of tools needed for sewing **Be able to:** Create a running stitch Select tools for sewing Thread a needle	**To know:** Why colourful food can be healthier How different foods can affect their senses The importance of including a range of vegetables in a diet **Be able to:** Peel, chop and grate a selection of vegetables Modify food to suit their food senses Season and breadcrumb a range of vegetables	**To know:** Building materials have different properties which enable them to be used for different purposes **Be able to:** Identify, sort and select materials that can be used in construction Combine materials	**To know:** A freestanding structure is a structure that stands on its own foundation or base without attachment to anything else **Be able to:** Build structures that are freestanding using a range of different materials
Year 2	**To know:** How wheels and axles work together The size and position of wheels affects how they move **Be able to:** Create a simple wheel mechanism Use wheel mechanisms to propel a simple vehicle	**To know:** How to cut out shapes which have been created by using a template How to use a range of basic sewing skills **Be able to:** Use a template to transfer a pattern Cut out and join fabric shapes using a template	**To know:** Why vegetables are so important to our health What processed foods are The difference between fresh food and ultra- processed foods **Be able to:** Prepare a range of salad vegetables Shape and season a bread snack Shape and form ingredients to make delicious food Use a range of culinary techniques	**To know:** Materials can be modified to become waterproof Origami comes from the Japanese words: ori – folding and kami – paper **Be able to**: Make paper waterproof Transform flat paper by folding and creasing to form a hat	**To know:** Paper becomes stronger when it is folded A load is the amount of weight a structure must carry **To be able to:** Fold paper to increase strength and stability Test and record how much weight paper can hold

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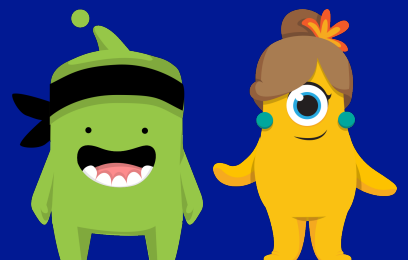

Design Technology Cumulative End Goals - End of LKS1					
	Mechanisms	**Textiles**	**Food & Nutrition**	**Understanding Materials**	**Structures**
Celebration of our City	**Leeds to Liverpool Canal**	**Liverpool Dressmakers Trade**	**Liverpool's food heritage**	**Walton Hall Raitway Bridge**	**Burbo Bank Offshore Wind Farm**
Year 1	**To know:** Common uses of sliders Different methods to create card sliders How sliders can create simple mechanisms **Be able to:** Design and make a slider product Evaluate the success of their outcomes and recommend improvements	**To know:** Fabric can be joined together using a running stitch The types and names of tools needed for sewing **Be able to:** Create a running stitch Select tools for sewing Thread a needle	**To know:** Why colourful food can be healthier How different foods can affect their senses The importance of including a range of vegetables in a diet **Be able to:** Peel, chop and grate a selection of vegetables Modify food to suit their food senses Season and breadcrumb a range of vegetables	**To know:** Building materials have different properties which enable them to be used for different purposes **Be able to:** Identify, sort and select materials that can be used in construction Combine materials	**To know:** A freestanding structure is a structure that stands on its own foundation or base without attachment to anything else **Be able to:** Build structures that are freestanding using a range of different materials
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DT CUMULATIVE END GOALS – END OF UKS1

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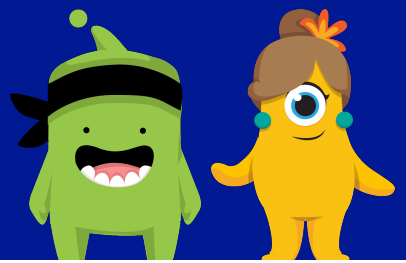

Design Technology Cumulative End Goals - End of UKS2					
	Mechanisms	**Textiles**	**Food & Nutrition**	**Understanding Materials**	**Structures**
Celebration of our City	**Liverpool Ferris Wheel**	**Merseyside charity - Fix up, Look Sharp**	**Liverpool Tourism - celebration of all cultures**	**Bridges at Albert Dock**	**River of Light**
Year 5	**To know:** Types of gears and terminology relating to gears Common uses of pulleys and gears How pulleys and gears can change the direction of movement **Be able to:** Design and make products that use pulleys and gears to lift loads Evaluate the success of their outcomes and recommend improvements	**To know:** How to waterproof cotton fabric Which fabrics are both functional and hardwearing **Be able to:** Use beeswax to waterproof cotton fabric Repurpose a pair of jeans	**To know:** Some foods and key ingredients from other cultures How other cultures' food can be nutritious How foods can be used as medicines How eating food from different countries can help us be healthy **Be able to:** Make, roll and cook a flatbread Prepare a range of vegetables Present foods to a high standard Roll and shape ingredients Slice and ribbon a range of vegetables Stir-fry vegetables	**To know:** Engineers use a range of methods to strengthen and reinforce structures **Be able to:** Identify and describe ways that frames are strengthened and reinforced	**To know:** Technology can be used to program and control a product **Be able to:** Combine elements of their design knowledge to fulfil a brief
Year 6	**To know:** Types of pulley systems and gears Common uses of pulleys and gears How pulleys and gears can create simple mechanisms and change direction of movement **Be able to:** Design and make a model Ferris wheel powered by gears Evaluate the success of their outcomes and recommend improvements	**To know:** Plastic waste can be recycled and repurposed into practical, useful items **Be able to:** Make a crochet hook out of a chopstick Use plastic bags and snack packets to create practical items	**To know:** What street foods are How snacks can be good foods to eat The difference between slow release and quick release carbohydrates How food can improve their mood and energy levels **Be able to:** Make a burrito Make and roll bread dough Make a savoury pastry Dice, slice, peel, grate and cook a range of vegetables Make a sauce and a stock Use height and colour to improve the visual appeal of food	**To know:** Structures can be supported with guy lines and flying buttresses The shorter the piece of spaghetti, the stronger it will be **Be able to:** Construct a flying buttress to support a tower Use appropriate lengths of spaghetti to increase strength and stability	**To know:** More than one switch can be used to change the functionality of a product **Be able to:** Use switches to adapt a product in response to a design brief