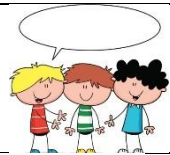


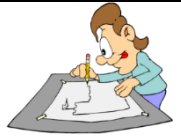
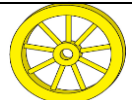
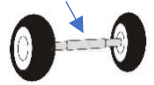
DT Knowledge Organiser – making a wheelbarrow and cooking

Children will design and make a wheelbarrow to transport a plant to the wildlife area. Knex will be used create the frame for the wheelbarrow; therefore, fine motor skills are key.

Cooking – making bread and sandwiches for Billingham’s Big Picnic	
Using a jug to measure liquid	
Mixing to form a bread dough	
Shaping dough	
Bridging knife techniques for cutting e.g. tomatoes	
Claw knife techniques for cutting e.g. cucumber	
Grating soft foods e.g. cheese	
Garnish to decorate	
Spreading with a table knife	

Knowledge	
Develop ideas through discussion, observation and trial and error.	
Use Knex to design and create a working wheelbarrow.	
Problem solve if design doesn’t fulfil the purpose.	



Key vocabulary		
Effort	The force used to make the wheelbarrow work.	
Load	The weight to be carried.	
Fulcrum	The point of support on which a lever turns.	
Design	Plan how to connect the Knex in order to create a working wheelbarrow.	
Wheels	A circular frame that turns on the axle.	
Axles	A bar on which a wheel turns.	
Evaluate	Before beginning, identify how a wheelbarrow works and identify the load, effort and fulcrum. Once complete, evaluate how effective your wheelbarrow is in carrying the given weight.	

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