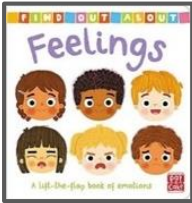
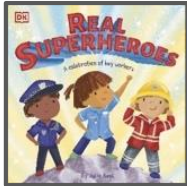
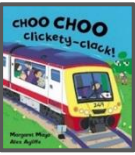
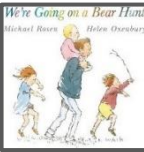
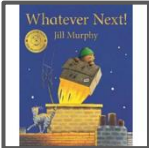
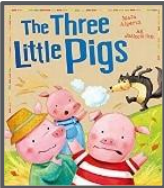
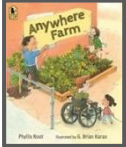

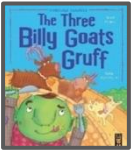
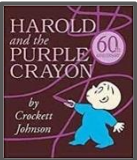








# Sir William Burrough Curriculum Map: Design & Technology

## Expressive Arts and Design/Design & Technology at Sir William Burrough




### Year A and B- Explorers- Nursery

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
		  		 	  
<p>Expressive Arts and Design <i>creating with materials being imaginative and expressive</i></p> <p><b>All About Me</b></p> <ul style="list-style-type: none"> <li>happiness drawings</li> <li>pointillism</li> <li>playdough</li> <li>small world tuff tray</li> <li>role play areas</li> </ul>	<p>Expressive Arts and Design <i>creating with materials being imaginative and expressive</i></p> <p><b>Communities and Celebrations</b></p> <ul style="list-style-type: none"> <li>lolly stick superheroes</li> <li>Kandinsky art</li> <li>building a house (incl. hay)</li> <li>other buildings</li> <li>small world tuff tray</li> <li>role play areas</li> </ul>	<p>Expressive Arts and Design <i>creating with materials</i></p> <p><b>Journeys and Adventures</b></p> <ul style="list-style-type: none"> <li>bear masks</li> <li>hot air balloon painting</li> <li>minibeast habitats</li> <li>design and build a rocket</li> <li>create vehicles using mobile</li> <li>small world tuff tray</li> <li>role play areas</li> </ul>	<p>Expressive Arts and Design <i>creating with materials</i></p> <p><b>Amazing Animals</b></p> <ul style="list-style-type: none"> <li>3LP materials</li> <li>lolly stick dragons (Chinese New Year)</li> <li>junk modelling: build a house</li> <li>small world tuff tray</li> <li>role play areas</li> </ul>	<p>Expressive Arts and Design <i>creating with materials</i></p> <p><b>Growing and Food</b></p> <ul style="list-style-type: none"> <li>salt dough vegetables</li> <li>tissue paper fruit baskets</li> <li>weaving</li> <li>designing a box for Handa</li> <li>small world tuff tray</li> <li>role play areas</li> </ul>	<p>Expressive Arts and Design <i>creating with materials</i></p> <p><b>Let's Imagine</b></p> <ul style="list-style-type: none"> <li>troll masks</li> <li>the colour purple collages</li> <li>tweezers and buttons</li> <li>cutting shapes</li> <li>designing/making a bridge</li> <li>lolly sticks number building</li> <li>small world tuff tray</li> <li>role play areas</li> </ul>

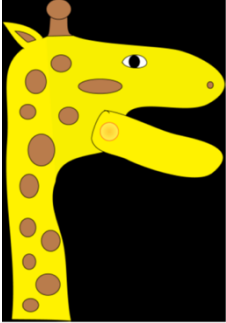


# Sir William Burrough Curriculum Map: Design & Technology

Year A and B- Explorers- Reception					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
					
<p><b>Expressive Arts and Design</b> <i>creating with materials being imaginative and expressive</i></p> <p><b>All About Me</b></p> <ul style="list-style-type: none"> <li>• Picasso style: self-portraits</li> <li>• drawing faces</li> <li>• building homes</li> <li>• threading</li> <li>• cutting skeletons</li> <li>• small world tuff tray</li> <li>• role play areas</li> </ul>	<p><b>Expressive Arts and Design</b> <i>creating with materials being imaginative and expressive</i></p> <p><b>Communities and Celebrations</b></p> <ul style="list-style-type: none"> <li>• footprint moulds</li> <li>• designing and building a train</li> <li>• paper chains and bracelets</li> <li>• salt paint fireworks</li> <li>• small world tuff tray</li> <li>• role play areas</li> </ul>	<p><b>Expressive Arts and Design</b> <i>creating with materials</i></p> <p><b>Journeys and Adventures</b></p> <ul style="list-style-type: none"> <li>• space art</li> <li>• farm animal masks</li> <li>• alien slime</li> <li>• playdough</li> <li>• small world tuff tray</li> <li>• role play areas</li> </ul>	<p><b>Expressive Arts and Design</b> <i>creating with materials</i></p> <p><b>Amazing Animals</b></p> <ul style="list-style-type: none"> <li>• sea life- wax resist</li> <li>• designing and building animal enclosures</li> <li>• threading</li> <li>• small world tuff tray</li> <li>• role play areas</li> </ul>	<p><b>Expressive Arts and Design</b> <i>creating with materials</i></p> <p><b>Growing and Food</b></p> <ul style="list-style-type: none"> <li>• fork painting</li> <li>• painting using a carrot</li> <li>• Errol's Garden puppets</li> <li>• domino painting</li> <li>• small world tuff tray</li> <li>• role play areas</li> </ul>	<p><b>Expressive Arts and Design</b> <i>creating with materials</i></p> <p><b>Let's Imagine</b></p> <ul style="list-style-type: none"> <li>• Gruffalo headbands</li> <li>• pointillism</li> <li>• design and build a cave</li> <li>• make ice cream cones</li> <li>• design and build the Gruffalo's tent</li> <li>• small world tuff tray</li> <li>• role play areas</li> </ul>




# Sir William Burrough Curriculum Map: Design & Technology

Year A - Adventurers - Y1/2					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
					
	<b>Structures</b>		<b>Mechanical Systems</b>		<b>Structures</b>
	<p style="text-align: center;"><b>Homes</b></p> <ul style="list-style-type: none"> <li>• join and combine shapes to make a house</li> <li>• create the interior features of a house.</li> <li>• design a house</li> <li>• create a house</li> <li>• <b>evaluate our finished product.</b></li> </ul>		<p style="text-align: center;"><b>Fire Engines</b></p> <ul style="list-style-type: none"> <li>• explore wheels, axles and chassis.</li> <li>• investigate ways of creating and decorating the body of a fire engine.</li> <li>• design a fire engine.</li> <li>• make a fire engine based on a design.</li> <li>• <b>evaluate our finished product.</b></li> </ul>		<p style="text-align: center;"><b>Wacky Windmills</b></p> <ul style="list-style-type: none"> <li>• explore what windmills are and how they are used.</li> <li>• design a windmill.</li> <li>• make a windmill following a design</li> <li>• <b>evaluate our finished product.</b></li> </ul>



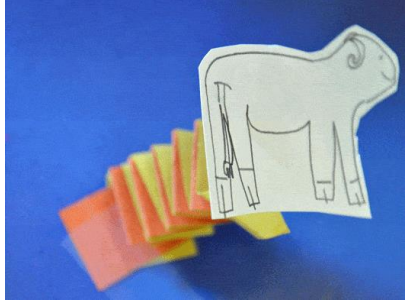
# Sir William Burrough Curriculum Map: Design & Technology

Year B - Adventurers - Y1/2					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
					
	<b>Mechanical Systems</b>		<b>Structures</b>		<b>Mechanical Systems</b>
	<p style="text-align: center;"><b>Moving Pictures</b></p> <ul style="list-style-type: none"> <li>• create a sliding mechanism</li> <li>• use levers to create a moving mechanism.</li> <li>• design a picture with a moving mechanism.</li> <li>• make a moving picture based on a design.</li> <li>• <b>evaluate our finished product</b></li> </ul>		<p style="text-align: center;"><b>Kites</b></p> <ul style="list-style-type: none"> <li>• explore kites</li> <li>• make a simple carp kite.</li> <li>• explore designs of diamond kites.</li> <li>• construct a kite by following a design.</li> <li>• <b>evaluate our finished product</b></li> </ul>		<p style="text-align: center;"><b>Vehicles</b></p> <ul style="list-style-type: none"> <li>• explore vehicles and their uses and features</li> <li>• investigate wheels, axles and chassis</li> <li>• design a vehicle</li> <li>• make a vehicle based on a design.</li> <li>• <b>evaluate our finished product</b></li> </ul>



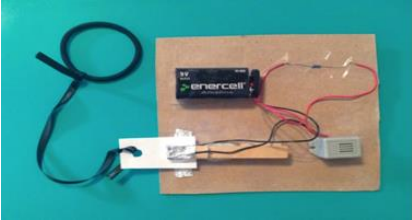
# Sir William Burrough Curriculum Map: Design & Technology

Year A - Pioneers - Y3/4					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
					
	<p><b>Mechanical Systems</b></p>		<p><b>Electrical Systems</b></p>		<p><b>Structures</b></p>
	<p><b>Moving Monsters</b></p> <ul style="list-style-type: none"> <li>investigate techniques for making</li> <li>gather ideas for creating a pneumatic system.</li> <li>design a simple pneumatic system</li> <li>make a monster with a moving pneumatic part.</li> <li><b>evaluate our finished product</b></li> </ul>		<p><b>Light Up Signs</b></p> <ul style="list-style-type: none"> <li>explore and analyse illuminated signs.</li> <li>build a circuit featuring a bulb.</li> <li>construct the enclosure of a decorative illuminated sign.</li> <li>construct a working circuit to fit into an illuminated sign.</li> <li><b>evaluate our finished product</b></li> </ul>		<p><b>Making Mini-Greenhouses</b></p> <ul style="list-style-type: none"> <li>investigate stable structures</li> <li>design a mini greenhouse</li> <li>construct a mini greenhouse</li> <li><b>evaluate our finished product</b></li> </ul>

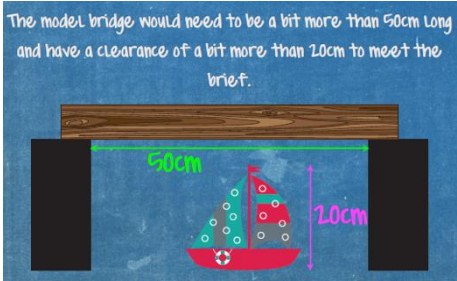


# Sir William Burrough Curriculum Map: Design & Technology

Year B - Pioneers - Y3/4					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
					
	<p style="text-align: center;"><b>Electrical Systems</b></p> <p style="text-align: center;"><b>Torches</b></p> <ul style="list-style-type: none"> <li>• create a simple circuit and investigate different types of switches</li> <li>• investigate casings for a torch</li> <li>• design a torch</li> <li>• make a torch</li> <li>• <b>evaluate our finished product</b></li> </ul>		<p style="text-align: center;"><b>Structures</b></p> <p style="text-align: center;"><b>Chinese Inventions</b></p> <p style="text-align: center;"><i>[theoretical knowledge]</i></p> <ul style="list-style-type: none"> <li>• understand how the four great inventions of China shaped the world</li> <li>• design a kite</li> <li>• build and test a kite</li> <li>• improve and decorate our kite</li> <li>• <b>evaluate our finished product</b></li> </ul>		<p style="text-align: center;"><b>Mechanical Systems</b></p> <p style="text-align: center;"><b>Storybooks</b></p> <ul style="list-style-type: none"> <li>• explore moving mechanisms</li> <li>• design a story book with a moving mechanism</li> <li>• create a story book with a moving mechanism</li> <li>• <b>evaluate our finished product</b></li> </ul>

# Sir William Burrough Curriculum Map: Design & Technology

Year A - Trailblazers - Y5/6					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
					
	<b>Mechanical Systems</b>		<b>Structures</b>		<b>Electrical Systems</b>
	<p style="text-align: center;"><b>Moving Toys</b></p> <ul style="list-style-type: none"> <li>investigate different types of cam mechanisms</li> <li>create strong structures</li> <li>design a moving toy with a cam mechanism</li> <li>create a moving toy with a cam mechanism</li> <li><b>evaluate our finished product.</b></li> </ul>		<p style="text-align: center;"><b>Making African Instruments</b></p> <p style="text-align: center;"><i>[theoretical knowledge]</i></p> <ul style="list-style-type: none"> <li>investigate and analyse African musical instruments</li> <li>design the body of an African-inspired musical instrument.</li> <li>create an African-inspired musical instrument.</li> <li>create a performance with our musical instrument</li> <li><b>evaluate our finished product.</b></li> </ul>		<p style="text-align: center;"><b>Alarms</b></p> <ul style="list-style-type: none"> <li>investigate how to create circuits with a variety of different switches</li> <li>design an alarm system for a particular purpose</li> <li>create an alarm system based on a design</li> <li><b>evaluate our finished product</b></li> </ul>

# Sir William Burrough Curriculum Map: Design & Technology

Year B - Trailblazers - Y5/6					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<p>The model bridge would need to be a bit more than 50cm Long and have a clearance of a bit more than 20cm to meet the brief.</p> 				
	<b>Structures</b>		<b>Electrical Systems</b>		<b>Structures</b>
	<p style="text-align: center;"><b>Building Bridges</b></p> <ul style="list-style-type: none"> <li>• explore key features of bridges.</li> <li>• explore ways in which arches are used to strengthen bridges.</li> <li>• understand how suspension bridges are about to span long distances.</li> <li>• develop criteria and design a prototype bridge for a purpose.</li> <li>• <b>analyse and evaluate products according to design criteria</b></li> </ul>		<p style="text-align: center;"><b>Fairground</b></p> <ul style="list-style-type: none"> <li>• investigate ways of using electrical motors to create rotating parts.</li> <li>• design a fairground ride with a rotating part.</li> <li>• make a fairground ride following a design.</li> <li>• <b>evaluate our finished product</b></li> </ul>		<p style="text-align: center;"><b>Bird House Builders</b></p> <ul style="list-style-type: none"> <li>• investigate the materials and features of bird houses.</li> <li>• design a bird house.</li> <li>• make a bird house.</li> <li>• <b>evaluate our finished product</b></li> </ul>