

DT Class 1 Summer 1 Cycle B Mechanisms

<p>As all children will only be visiting Cooking and Nutrition once in the 2 year cycle, all children should be given the opportunity to attain all objectives however it is understood that not all objectives will be achieved due to age related technical ability.</p>	<p>Markers for Assessment</p>		<p>Below</p>	<p>Above</p>
<p>Substantive Knowledge</p> <ul style="list-style-type: none"> ● begin to use levers or sliders ● use levers or sliders ● begin to understand how to use wheels and axles <p>Disciplinary Knowledge</p> <p>Design</p> <ul style="list-style-type: none"> ● generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology <p>Make</p> <ul style="list-style-type: none"> ● Select from and use a wide range of materials and components <p>Evaluate</p> <ul style="list-style-type: none"> ● Explore and evaluate a range of existing products <p>Technical Knowledge</p> <ul style="list-style-type: none"> ● Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products 	<p>I can create a product that uses a lever or slider.</p> <p>I can use wheels and axles in my product, with help.</p> <p>I can design a product that uses a mechanism.</p>			
<p>Prior Knowledge</p> <p>This topic has not been studied formally yet in school.</p>	<p>Vocabulary</p> <p>lever, pivot, slider, push, pull, balance, left, right, vehicles, mechanisms, axle, axle holder, chassis, friction, cab, wheels, materials, models, connecting, joining, design, evaluate</p>			
<p>Prior Skills</p> <ul style="list-style-type: none"> ● Not formally covered in the curriculum. 				
<p>Questions</p> <ul style="list-style-type: none"> ● How is your product going to move? ● What materials will you need? ● What is the mechanism called that you are using? ● How could you improve your product? ● What has worked well in your product? 				

Year 1

Year 2