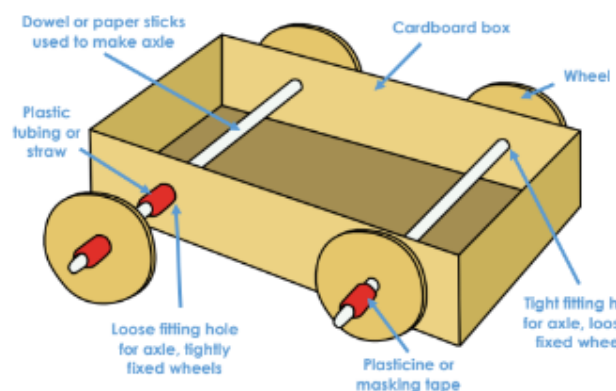
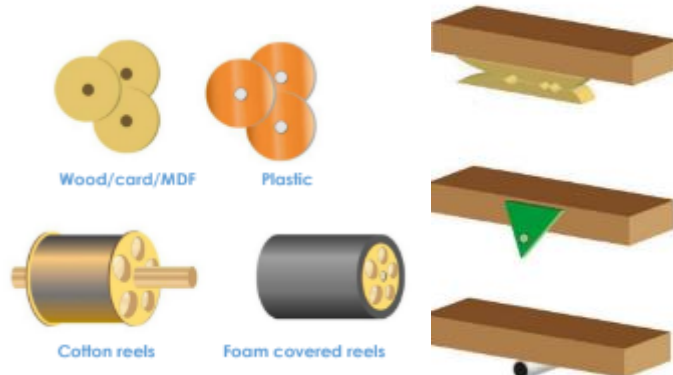


# Year 2: Mechanisms Knowledge Mat

Subject Specific Vocabulary		Fixed axle and moving axle	Important knowledge about mechanisms:
<b>wheel</b>	A circular object that revolves on an axle to allow a vehicle to move.		<ul style="list-style-type: none"> <li><input type="checkbox"/> I know what mechanism makes a toy or vehicle roll forwards.</li> <li><input type="checkbox"/> I know that a wheel must be attached to an axle.</li> <li><input type="checkbox"/> I can draw and label a diagram of an axle, wheel and axle holder.</li> <li><input type="checkbox"/> I know the difference between a fixed axle and moving axle.</li> <li><input type="checkbox"/> I know what makes a wheel and an axle work.</li> <li><input type="checkbox"/> I can design a moving vehicle which includes functioning wheels, axles and axle holders.</li> <li><input type="checkbox"/> I can use a range of tools and equipment.</li> <li><input type="checkbox"/> I know what I need to do first, next, last.</li> <li><input type="checkbox"/> I know what materials, joining techniques and finishing techniques I am going to use and why.</li> <li><input type="checkbox"/> I know how to improve my design to make it even better.</li> </ul>
<b>axle</b>	A rod or spindle (either fixed or rotating) passing through the centre of a wheel.		
<b>axle holder</b>	The component through which an axle fits and rotates.		
<b>chassis</b>	The frame or base on which a vehicle is built.		
<b>vehicle</b>	A thing used for transporting people or goods.		
<b>criteria</b>	A standard for judging, evaluating or selecting something.		
		Different types of wheels and axle holders	
<b>template</b>	A shape drawn to help with cutting out shapes.		
<b>mock up</b>	A model which allows us to try out ideas using cheaper materials and temporary joints.		
<b>evaluate</b>	To judge how a product meets a chosen criteria.		
<b>measure</b>	To ascertain the size or amount of something using standard units.		