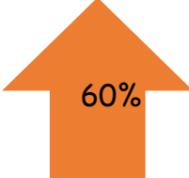
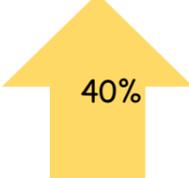


Percentage	I can ...	Prove it!
	<p>Consider the choices of materials and processes and how they could impact the lifecycle of the product and its sustainability</p>	 <p>Suggest ways you can make this chair more sustainable. Include information on:</p> <ul style="list-style-type: none"> • Sourcing the raw material • The manufacture of the board • The end of the product's life.
	<p>Analyse an existing product in terms of sustainability using ACCESSFM.</p> <p>Explain the environmental impacts of different types of plastics, metals and woods.</p>	 <p>Bookcase 1 - Sold in Ikea for £25. Made from MDF. Self assembly</p>  <p>Bookcase 2 - Sold in habitat for £300. Made from pine and glass. Delivered assembled.</p> <p>Analyse these bookcase in terms of ACCESSFM. Consider functionality and sustainability.</p> <p>Explain the positive and negative environmental impacts of each of the above bookcases.</p>



Percentage	I can ...	Prove it!
 <p>60%</p>	<p>Identify what makes a product sustainably.</p> <p>Define built-in obsolescence.</p> <p>Understand the impacts of built-in obsolescence on a throw-away culture.</p>	<div style="text-align: center;">  </div> <p>Here are 2 water bottles. The first is made from polyethylene terephthalate and disposable, the second is high density polyethylene and is multiuse. Explain which is more sustainable and why.</p> <p>What is built-in obsolescence?</p> <p>Explain how a mobile phone company adds to a throw-away culture when designing their products.</p>
 <p>50%</p>	<p>Students will identify ways products can be reused.</p> <p>Explore the benefits of household recycling.</p> <p>Explain the terms "sustainability" and "renewable resources".</p>	<p>State 3 ways you can reuse a teacup.</p> <div style="text-align: right;">  </div> <p>In the lifecycle of a wooden table, how can recycling be used to minimise waste?</p> <p>Explain what we mean by "waste minimisation".</p>



Percentage	I can ...	Prove it!
 <p>40%</p>	<p>Explain the source of a range of materials, understand how they are processed for use and how they can be reused, recycled or disposed of.</p> <p>Explain the environmental consequences of the use of a range of materials</p>	<p>For woods, metals and plastic, explain each of these processes.</p> <ol style="list-style-type: none"> 1. Harvesting 2. Processing 3. Manufacturing 4. Disposing
 <p>30%</p>	<p>list the 4 Rs of sustainability</p> <p>Identify materials which can be recycled. Understand why composite materials cannot be recycled including thermosetting plastics.</p> <p>Identify Items which can be designed for planned obsolescence</p> <p>Define waste minimisation.</p>	<p>What are the 4 Rs of Sustainability?</p> <p>List 4 materials which can be recycled</p> <p>List 4 products which have been designed with planned obsolescence in mind.</p> <p>Identify 2 ways in which waste can be minimised in a factory making plastic drinking bottles.</p>



Key Words:

Reuse

Reduce

Recycle

Recover

Sustainability

Raw materials

Harvesting

Manufacturing

Making

Disposing

Built-in obsolescence

Throwaway culture

