Enquiry Question: What are the different produc- tion systems and how can we make products sustain- able? (pages 4-9 in the revision guide)	CAD and CAM are really important part of designing products and manufac- turing them. They're used in loads of different industries from food packag- ing to component manufacture. Now to explain what they are	When you make a produc ronment. Recently there size of this impact to he
<b>Lesson Launch:</b> Question 5 is about sustainability. You are advised to spend about 5 minutes on this guestion.	CAD is designing using a computer	<ul> <li>Sustainable products are be</li> <li>Explain what sustainable</li> </ul>
Use straight lines to connect the words below with the correct description.	What does CAD stand for?	
Reduce We must mend broken products instead of throwing them away.	What does it involve?	What is a sustainable     forests in your answe
Reuse We should decrease the amount of finite materials that we use.	What are examples of CAD packages?	Who are the Forest
We should decide whether we           Recycle         need products before we buy	What are the advantages of CAD?	All products have a carbon
them.	CAM is making using a computer	• Explain what a Carbo
Refuse We should think of another use for a product before we throw it away.	What does CAM stand for?	1)
We should decide not to buy	What does it involve?	2)
Repair products that harm the environment.	• Explain how it works?	3)
Rethink We should make sure that products are converted back to their basic materials and then	CAM machines can be used on different materials.	4)
remade into new products.	CNC routers are:	5)
SUSTAINABLE FOREST		Some products are designed Explain why no products lat
Sustainable Forest Stewardship	Laser cutters are:	Explain why some products
Card packaging with this symbol, means that the materials used to make the packaging, have been harvested from sustainable forests. This means that the forest is managed in such a way that the trees are replaced.		Explain the term planned o
A sustainable material is a material that can be renewed, such as natural wood - trees can be grown to replace ones cut down and processed into products.	3d printers are:	What is meant by 'design fo

ct there's some sort of impact on the envie's been an increasing focus on minimising elp protect our planet.

etter for the environment.

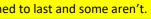
nability is?

e material? You should include an explanation of sustainable er.

Stewardship Council and what do they do?

footprint.

oon footprint is?



ast forever?

are designed to last and some aren't?

obsolescence?

for disassembly'?



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