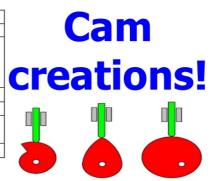
Monday

IDEAs LO: To understand more about CAM mechanisms

Who taught you in this session?		Teacher	TA	1:1	HLTA	
Independent		Supported				
Child	Child L.O. To understand more abo		out CAM mechanisms			
	CORNERSTONES Programme of study: Understand and use mechanical systems in their					
	products (for example, gears, pulleys, cams, levers and linkages					
	CORNERSTONES Essential skills: Select the most appropriate mechanical system for a particular purpose					
	I know what a CAM mechanism is and how it works					
	I can label the parts of a cam mechanism accurately					
	I understand the meanings of some technical words					
	involved with cam mechanisms					
Lesson	4					

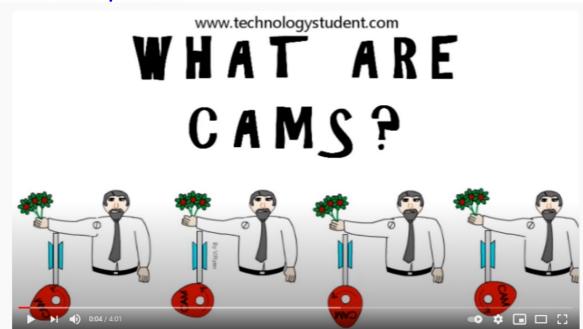


PROGRESSION OBJECTIVES

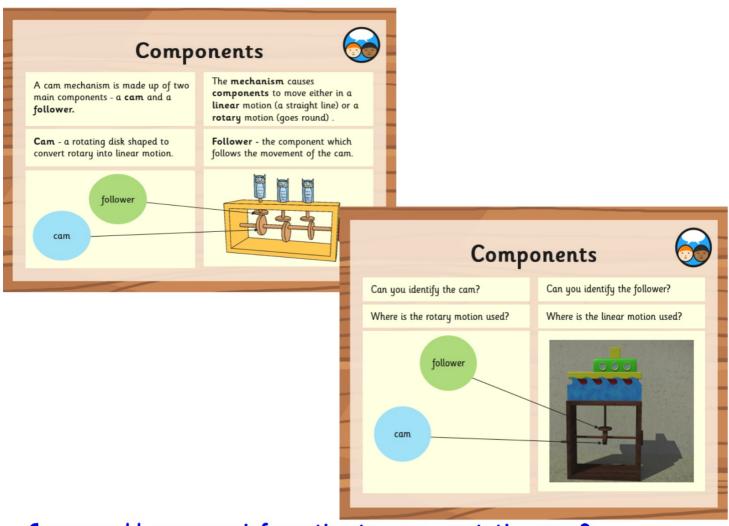
Explain and use mechanical systems in their products to meet a design brief. Mechanical systems can include sliders, levers, linkages, gears, pulleys and cams. Other mechanisms include pneumatics and hydraulics.

What are cams?

Watch the video and while you are watching, write down any technical words you hear on a scrap piece of paper, then copy into your books around the video picture.

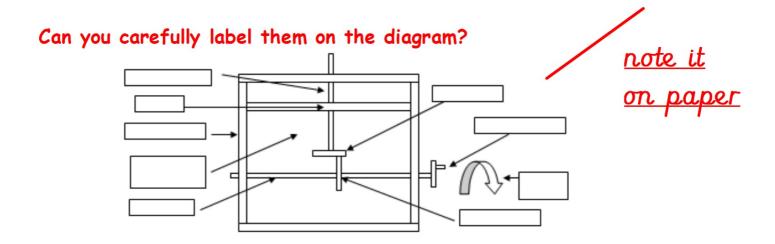


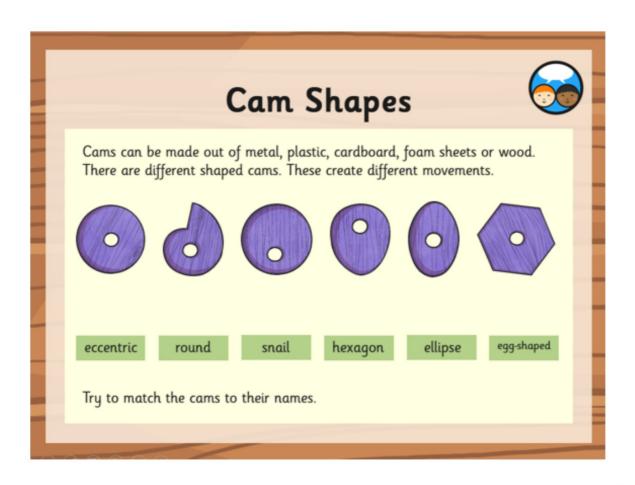
https://www.yout-ube.com/watch?v=tzWQasmUfLY



Can you add any more information to your annotations now?

You should have heard words like:
cam
movement
linear motion
rotary motion
off-centre
crank handle
axle
frame structure
cam mechanism
cam follower





Draw the 6 different cam shapes in your book and label their names



Use paper props if you need! Take a photo for books, stick it in and label the parts!

Tuesday

FPT LO: To create my own CAM mechanism

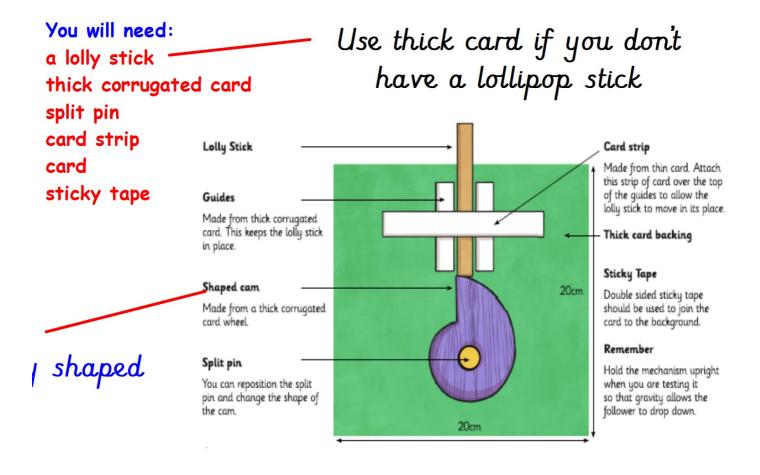
Who taught you in this session?		Teacher	TA	1:1	HLTA
Independent		Supported			
Child	L.O. To create my own cam mechanism CONVERSIONES Programme of study: Select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and frinkfing), accurately. CONVERSIONES Examinal stalls: Combine materials with moving joints I know I must follow the instructions carefully				
	I can cut, shape, join and fu I understand how the differed movement			the	

Cam creations!

PROGRESSION OBJECTIVES

Explain and use mechanical systems in their products to meet a design brief. Mechanical systems can include sliders, levers, linkages, gears, pulleys and cams. Other mechanisms include pneumatics and hydraulics.

Now you're going to make your own simple cam mechanism to investigate the effect of different cam shapes!



Take a photo for books, stick in and label with some of the information from the exploring cam movement sheet

Complete the sheets with as much detail as you can!

Cam Shape	Describe What Happened
9	
0	