Name:	Date:	KS2 Quiz

Unit title: Automata toys

1	Which of these best describes how an automata toy works?
A	The user pushes a button and moving parts turn.
B	The user pulls an elastic band back and lets go.
C	The user turns a handle and moving parts turn or go up and down.
D	The user squeezes a trigger and moving parts go forward.

2	Design criteria…
A	…guide how a product is developed.
B	…help meet the users needs.
C	…help when planning a project.
D	All of the above.

3	Storefronts and window displays…
A	…help to attract customers into shops.
B	…have carefully thought through designs.
C	…have designs relevant to the shop.
D	All of the above.

4	Which set of tools or equipment would be most useful for an automata project?
A	Craft knife, PVA glue, scissors and pencil.
B	Pencil, saw, bench hook, glue gun and ruler.
C	Needle, thread, PVA glue and pencil.
D	Saucepan, wooden spoon, vegetable knife and chopping board.

5	When would you choose a glue gun to join materials?
A	When joining light materials like paper.
B	When joining fabric for clothing.
C	When materials need to be joined quickly and securely.
D	When joining components that need to move.

6	What is a cross-sectional diagram?
A	Indicates where to drill with cross marks.
B	Shows the inner workings of a product.
C	Displays a product from four angles.
D	Shows equipment for making a product.

7	What is an exploded diagram?
A	Shows how parts fit together.
B	Displays all components from above.
C	Shows how the product fits in packaging.
D	Provides info on product materials.

Kapow Primary

8	**Why does the shape of the cam profile matter?**
A	The shape increases the speed of the follower.
B	The shape helps the axle rotate.
C	The shape creates electricity.
D	The shape changes the way the follower moves.

9	**When using a saw you should...**
A	...hold it by the blade.
B	...hold the wood in the air and saw it.
C	...rest the wood on you knee and saw it.
D	None of the above.

10	**Explain how an automata toy works.**