






DT – Year 1 Mechanical System: Toy Summer

Previous knowledge – Think of simple ideas for a product.

- Glue and sticky tape can be used for joining materials.
- Join materials to make a simple product.
- Wood is a strong material.
- Polystyrene is a light material.
- Paper can be drawn on/ decorated more easily than plastic.

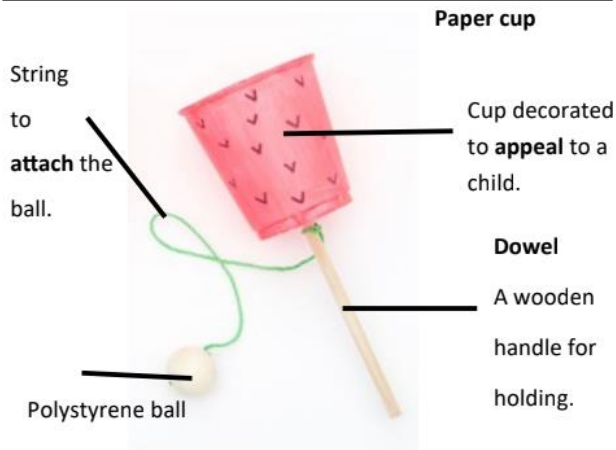
Vocabulary

appealing 	To be attractive or interesting to who you are making something for.
design 	Plan or drawing produced to show the look and workings of a product.
dowel 	A wooden rod.
join/attach 	Used to link or fasten parts together.
material 	What an object is made from eg paper, wood, plastic.

Useful Resources

<https://www.teachingideas.co.uk/design-technology/design-a-toy/>
https://www.youtube.com/watch?v=LYN_ssuQfjs

Design



What will I be able to do by the end of this unit?

Design

- Use what I have found out about cup and balls to help design my own product.
- Share my ideas through talking and drawing.

Make

- Use the correct joining materials to make my product long lasting.
- Mark out and measure the length of the string and rod.
- Cut and shape fabric to decorate the cup and ball.

Evaluate

- Say what I like about my cup and ball toy.
- Say how I could improve my cup and ball.

What will I know by the end of this unit

Technical knowledge

- Paper cups are made from recycled paper as well as many other things such as paper bags, toilet paper, paper plates and egg cartons.



- A wooden handle will make my product sturdy and easy to use.
- A product must be appealing to the person it is being made for. You can do this by decorating the product.



Design and technology - Skills and Enquiry

- Who is my product for? What will they like?
- What shall I use to join the string and cup securely?



Health and safety

Scissors

Hold scissors safely: blades closed, hand around the blade, always walk when carrying scissors. Use a pencil and blue tack to pierce materials safely. Always work with an adult to do this.

Glue gun

Allow time for the glue to cool for before holding the cup and ball. Always work with an adult when you are using the glue gun.

