

## Year 4 DT Projects (Summer Term 2020)

This term we were going to make Balloon Powered Vehicles so as we are not in the DT room using the tools and equipment I thought I would set you a challenge!

- I would like you to use a container, wood or even a piece of thick cardboard to design your own vehicle.
- You will need to cut out the 'chassis' (base) first and then shape the front to make it aerodynamic and streamlined (this will help it move faster)
- Next you will need to think about the wheels - what will you use?
- Suggestions: old cd's, bottle tops, wood circles, cardboard
- The wheels will need to be attached onto 2 axles under the chassis
- You could attach the axles through a straw so that they will rotate and then fix the straw to the underside of the chassis with glue, pegs or tape.
- Next you will need to find a way of attaching a balloon to a tube (rolled up thick card) would make a good tube! But put some tape on the end of the tube so that when you blow up your balloon the card won't go soggy!!
- If you have an old cotton reel to attach the tube & balloon to then that would be great, but if not then just find a way of securing the tube to the chassis.
- When you blow up your balloon and then let go - your vehicle should fly across the floor!!
- Measure how far your vehicle has travelled!



*Scroll down for the next project...*

## Project: The Tudors

Following on from your class topic on the Tudors, I would like you to make a Tudor House (examples below) these have been constructed from card or boxes of different sizes. Painted and decorated in the Tudor style (you may need to google Tudor buildings to help you).



Some Tudor houses had tiled roofs others had straw or wood.

The black parts are the lovely wooden beams. Usually the bottom part of the house was smaller than the upper floors because land was so expensive.

Once you have assembled your building it would be a good idea to paint it white first to give it a base colour. Then you could paint or colour in the beams or even use strips of black paper.

**Extension:** Make some Tudor people to stand with your house. Use the internet to see what sort of clothes the Tudors wore.

**Remember to take photos of your finished projects!**

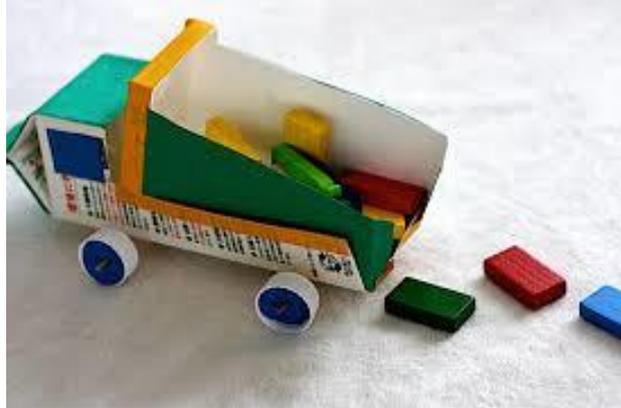
*Scroll down for the next project...*

## Project: What can you make from a recycled container?

Collect as many different containers as you can for these projects:

You will need some paint, bottle lids, cardboard, scissors and other resources like buttons, beads, sticks, pipe cleaners.

Look at the containers in the pictures and see what you can create!



The ladybugs above have been made from the bottom of a drinks bottle - please ask an adult to help you cut the bottom section of the bottle!



These look great fun to make! You could make a whole family of them.

*Scroll down for the next project...*

## Project: Decorated Plant Containers

You will need - plastic containers large would probably work well (like milk container)  
Acrylic paint, scissors, fabric off-cuts, plastic off-cuts

An adult will need to cut off the bottom of the container.

Paint your design onto the container working with it upside down (as in the photos) Add decorations, facial features etc

When completely dry you can then put compost into the container and grow some plants, seeds etc.



Looking forward to seeing your wonderful creations! Please create an Art and DT folder in your My Drive and save photos there.

Mrs Law