



Year 2 D&T - Suggested activity for home

In connection with our work on plants and animals, our D&T project is to make a tractor with/without a trailer. A different type of vehicle can be made instead if preferred.

This activity will require some support from an adult to help with the fiddly bits!

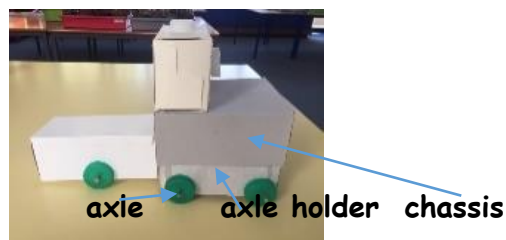
Purpose: To make a vehicle that will move and that will be strong enough to hold toy people or animals.

Equipment needed for a tractor (see photos below): 1 recycled box for the **cab** (where the driver sits), 1 larger recycled box for the main part of the tractor/vehicle **chassis**, 1 slightly smaller box as an **axle holder** (with 2 holes each side to poke the sticks/axles through), 2 straight sticks as **axles** (I found some on a walk), 4 bottle tops for **wheels** plus scissors and glue or tape.

Equipment needed for a trailer: 1 recycled box for the trailer, 1 axle holder, 1 axle, 2 wheels and lolly sticks to make rails if you want to, plus toy animals or people to test it out!

To decorate: 2 or 3 small bottle tops to make lights, foil or stretched cling film for windows, paint or colouring pens.

Top Tip: Turn boxes inside out to make it easier to paint or decorate them once the model is completed.



Planning: Use the *planning sheet provided or a piece of paper to plan your design and list the equipment you will need. Don't forget to measure and cut your axles to the right size for the chassis on your tractor and your trailer (if using).

*Your child will be familiar with the planning sheet as we use it each term in school.

Making your model: Follow your plan to create your model, make changes as you go to make it better.

Evaluation/reflection: Either fill in the back part of the planning sheet or if not using, write your thoughts on the back of your plan - think about what you like about your vehicle, what you would change, how you could have made your model better and what you might do to improve it if you were to make another one. Also write down whether you followed your plan or not.

Think about the values you (and your adult helper!) have used and be proud of what you have made.



Extension: You might want to take a photo of your model and stick it onto your sheet or draw a diagram of it (labelling the different parts).

