



Happy holidays!

SMALL TOWN: You don't need to buy expensive kits to enjoy model making. Cardboard modelling can be a fun and inexpensive alternative.

Picture: iStock/ Magnifical Productions

# MODEL MODE

IF you are looking for a fun project during the summer holidays, you could turn your hand to cardboard modelling.

The use of paper, card or cardboard to build three-dimensional models has been around for a long time.

It is an inexpensive method for experimenting with design ideas, or prototypes, and displaying them to others.

While cardboard is a relatively easy material to work with, there are some techniques you can use for producing joints and other funky results.

For example, you can make a curved edge using a technique called scoring.

This involves making several straight-line cuts about half way

through the cardboard and then bending it to the shape you want.

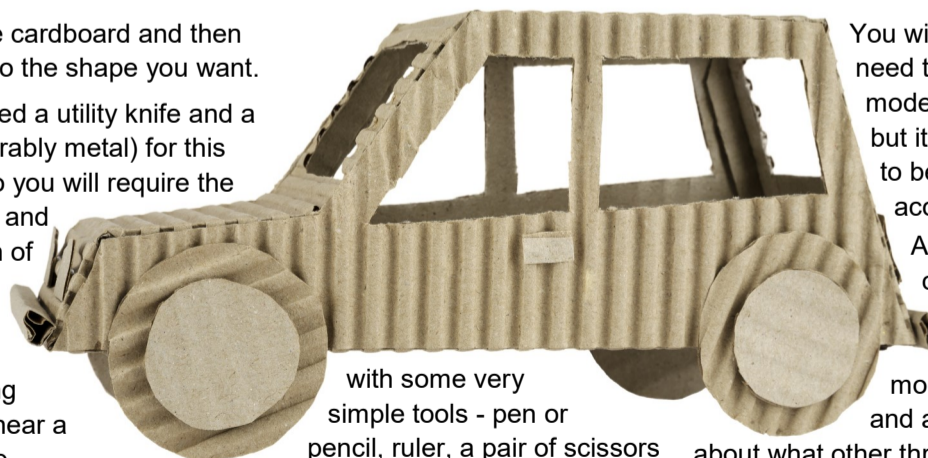
You will need a utility knife and a ruler (preferably metal) for this process, so you will require the permission and supervision of an adult family member before going anywhere near a sharp blade.

There are many videos available online to learn some cardboard modelling skills.

Here's one we found:

<https://sites.google.com/view/designandinquiry/dp-sl-design/topic-3-modelling/3-3-physical-modelling/cardboard-modelling>

You can get very creative though



with some very simple tools - pen or pencil, ruler, a pair of scissors and some glue and/or sticky tape.

You can also make round shapes, and other shapes, by drawing a line around items you can find around the house.

Every model starts with a plan, so it is worth sketching a design first to get an idea about your model's size and shape.

You will obviously need to build your model to a scale, but it doesn't need to be highly accurate

Any type of cardboard can be used for model making, and also think

about what other throwaway items you could use for your model.

Plastic bottle tops make great wheels, while twigs and cotton wool could be used to make trees.

If your model has moving parts what things might be available at home that you could re-purpose? Of course, the very first question

you need to ask yourself is what are you going to build, and before you can answer this question you should think about how much time you want to invest in the project.

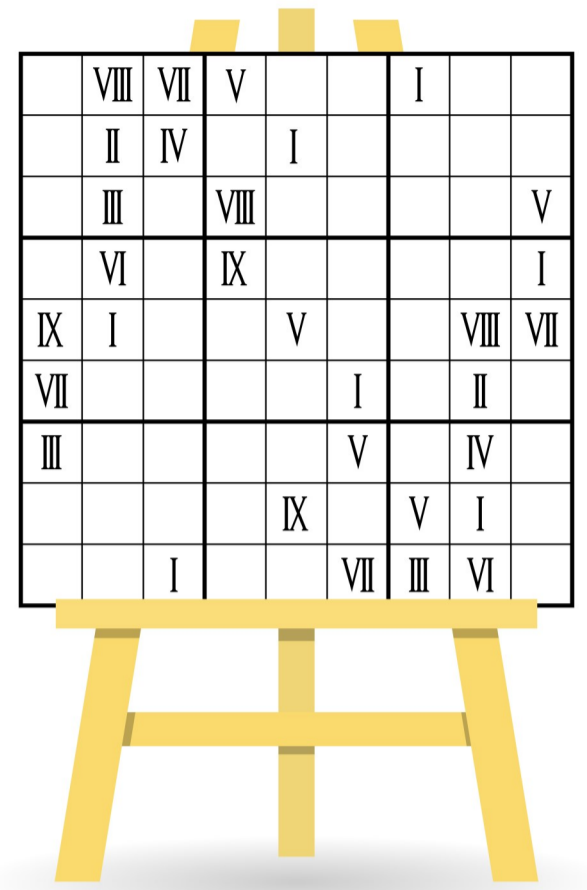
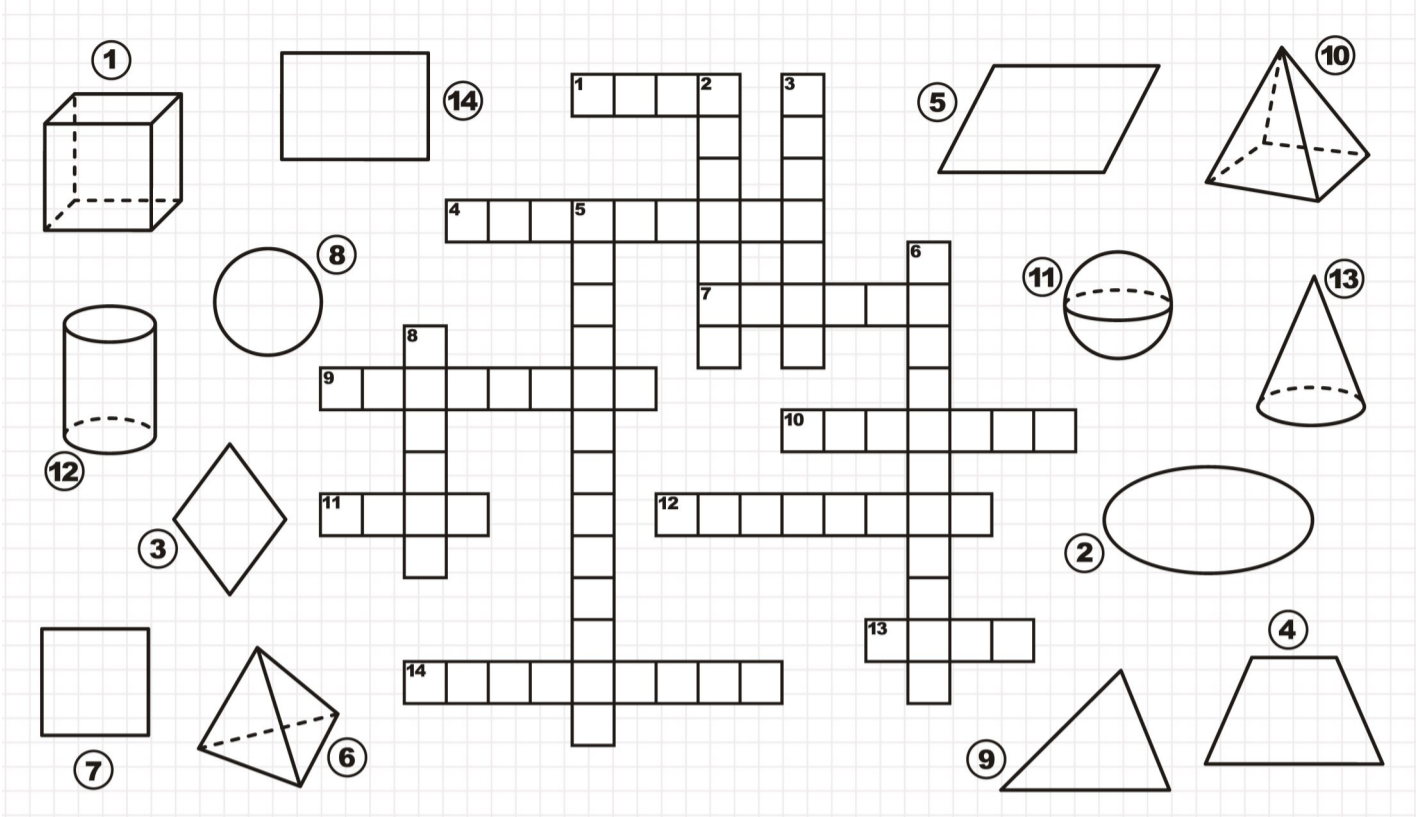
You could, for example, build a model of your house, or you could build your street, neighbourhood or entire town.

You might like to build a castle, with high towers, a drawbridge over a moat, and so forth.

You can construct anything you like, and use colour paints of textures to make your model more realistic.

Let your imagination run wild. Children's University Tasmania members can earn stamps in their passports for this challenge, at the discretion of their school coordinator.

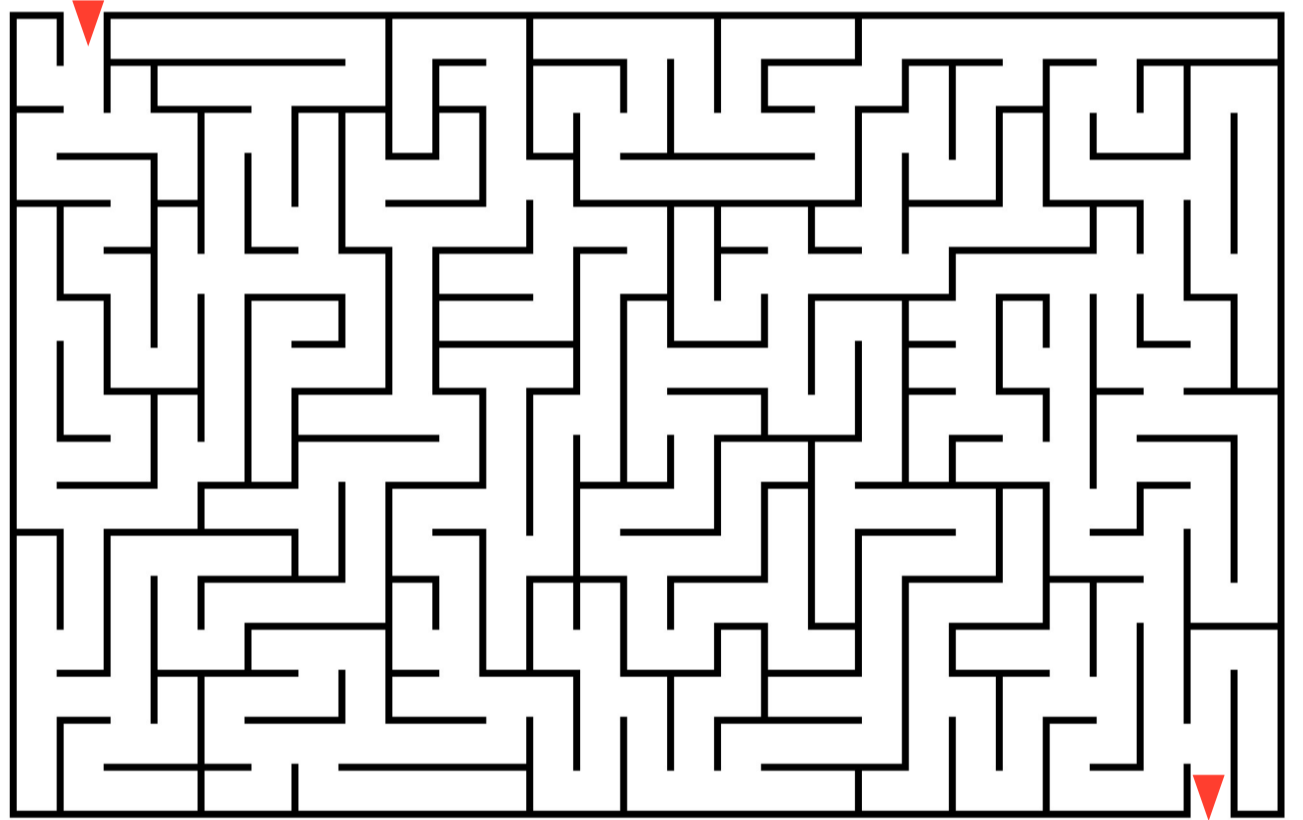
# HOLIDAY fun



1 - Cube | 2 - Ellipse | 3 - Rhombus | 4 - Trapezium | 5 - Parallelogram | 6 - Pyramid | 7 - Square | 8 - Circle | 9 - Triangle | 10 - Cone | 11 - Sphere | 12 - Cylinder | 13 - Ellipse | 14 - Rectangle

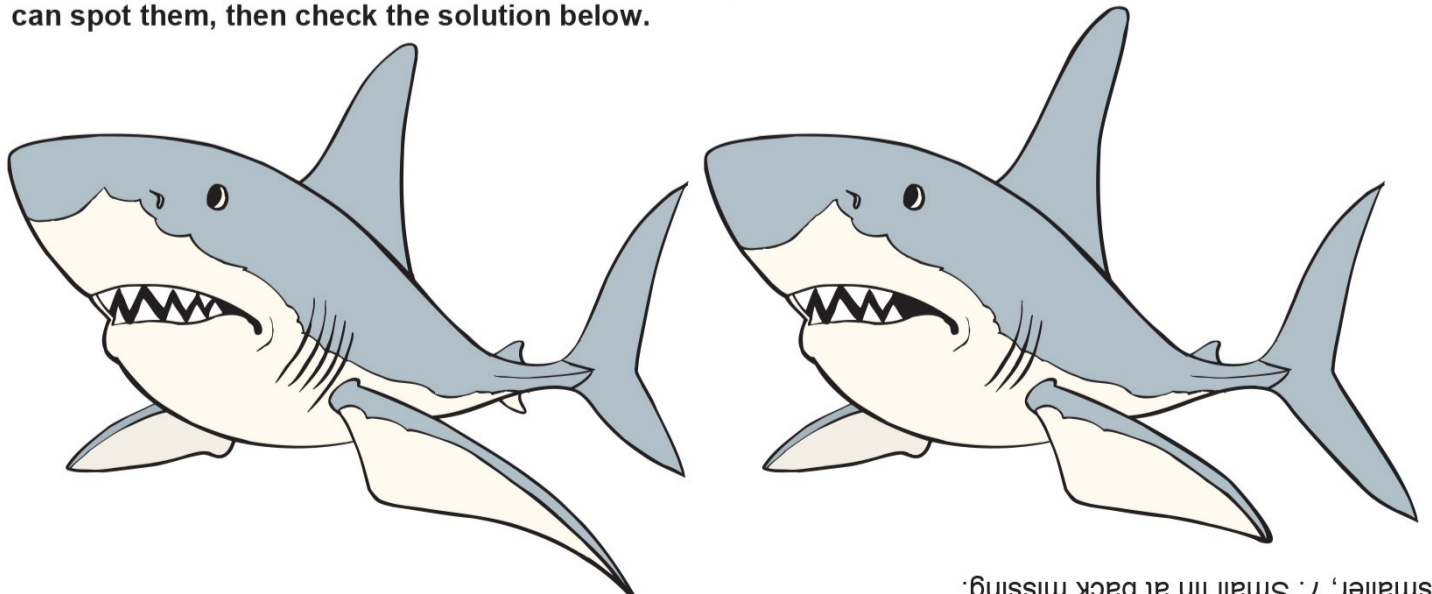
IMAGES: iStock/ Natalia Gramakova/ Yulia Andreeva/ Martin Janecek/ DeLe\_x/ Irina Kuznetsova

Whether it be a Roman numerals sudoku, a geometric shape crossword or an astronomy word find, puzzles are a great thing to do any time, but they are especially handy on a rainy day in the school holidays. We hope you enjoy all the puzzles on this page. *The Wonder Weekly* is having a short holiday as well, but will be back in 2022.



## Spot the DIFFERENCE

There are seven small differences between the first great white shark and the second one. See if you can spot them, then check the solution below.



**SOLUTION:** 1. Teeth missing, 2. Dorsal fin longer, 3. Gills missing, 4. Tail longer, 5. Nose changed, 6. Fin smaller, 7. Small fin at back missing.