

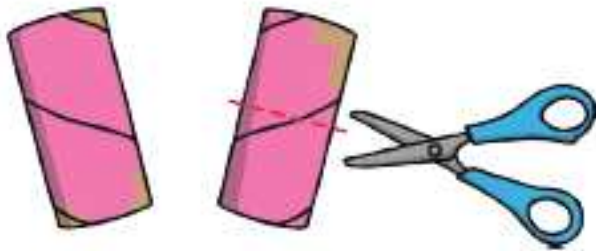
STEM challenges

STEM stands for science, technology, engineering and maths. Here are some challenges, that may require some resources you have around the house, that your child can get along with and could keep them busy for some time.

STEM Challenge Cards

Make the tallest tower you can which is capable of standing freely and not attached to anything.

Competition – Which is the tallest tower?



STEM Challenge Cards

Make a marble roller coaster which brings a marble down from a start height of 1 metre without any drops of longer than 5 cm.

Competition - Which marble takes the longest to successfully descend 1 metre?



STEM Challenge Cards

Create a catapult which can be used to fire a chosen projectile without the operator either touching the object or propelling it forward with their own power.

Competitions - Which catapult can launch the projectile the furthest? Which catapult is the most accurate when firing at a given target?



STEM Challenge Cards

Make a structure which you can fit completely inside and are then hidden from the outside world.

Competitions - Which structure covers most of a body? Who can get into their structure in the fastest time?

