

Design and Technology – Marble runs - developing and extending

Hopefully, you have gained some useful skills by making a marble run in a cardboard box. If you have not done this, try this first to gain confidence. (See last week)

Time now to think outside the box!

This week's task – to design, build and improve a marble run which is **not** in a box

You could use cardboard tubes to support the runs or just balance them on chairs, books and cushions:



No marbles? No problem. Just use beads, a ball of blue tack or even frozen peas – anything that rolls.

CHOOSE A CHALLENGE:

Can I build a marble run with 3 different sections?

Can I build a run that keeps a marble moving for more than 5 seconds?

Can I make a complicated feature such as a bridge, spiral or wheel?

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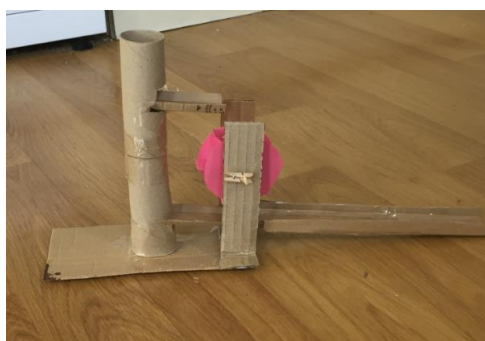
Work over 3 session or more:

Session 1 = get inspiration from these pictures and home-made marble runs on youtube. Then plan and start building your model.

Session 2 = finish and improve your model. Fix any problems, extend it.

Session 3= Evaluate your model. Test it 10 times. How many times did it work perfectly? If you had more time, what improvements would you make?

Here are some photos to show how Mrs J's marble run grew and improved.



To see these in action search:

“Mrs J marble run 1” “Mrs J marble run 2” “Mrs J marble run3” and
“Mrs J marble run 4” on youtube.

If you need more advice, do email Mrs Jessener on Purple Mash.

Enjoy!

