

Year 3 and 4

Home-learning

Topic
Monday

6th July 2020



Gelliswick Church in Wales
VC Primary School



Topic

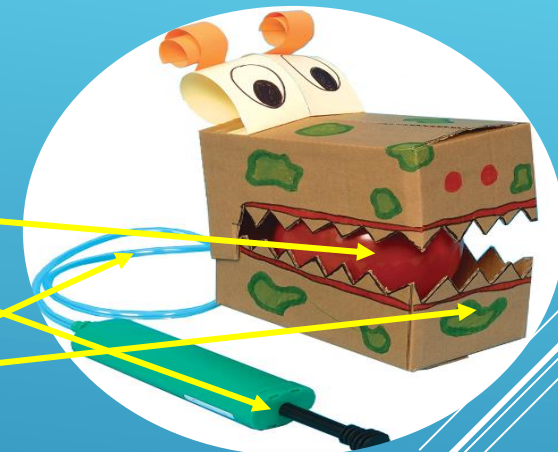
Design a 3D Moving Monster!

This week's project is to design a 3D moving monster using recyclable materials with at least one moving part.

Click here to [see](#) example

In order to complete the project, you may need a few items that may not already be in your house. Please see examples below:

- Balloons/syringe
- Balloon pump or bike pump
- Elastic band or hair bobble
- Cardboard (e.g. egg box)
- Tubing/ piping



Click the links below to take you to a daily activity.



Year 3 and 4 - Monday 6th July 2020 - Topic Task grid



Monday - Scientific Information!

Today you will be gathering ideas for how you can use pneumatic systems to create moving parts on a monster.

Topic

How could you use pneumatics to make these parts move?



What parts of the monster could you make move?

How many objects can you think of that use air to make them work?

The syringe attached to the balloon is an example of a PNEUMATIC SYSTEM.

Click here to find out what the word 'pneumatic' means.

[Click here](#)

The syringe in this picture is full of air. What do you think will happen to the balloon if the syringe is pushed in? Why?



Click here for:

**TODAY'S
TASK**

Monday -Pneumatic Examples!



Topic



Pneumatic is an item/object that is operated by the pressure of air or gas.

Click here to [see](#) examples.



Year 3 and 4 - Monday 6th July 2020 - Topic Task grid



Topic



Monday - Monster Design

Step 1

Carry out research for inspiration and decide what you would like your monster to look like. Think about what materials you will make it from and if they are easily accessible.



Step 2

Draw what your monster will look like and then decide on which part will move.

Will your pneumatic system:

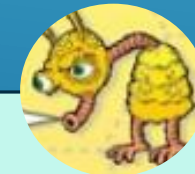
Make your monster's tongue stick out?



Make your monster's eyes get bigger or smaller?



Move your monster's arms/legs up and down?



Open and close your monster's jaws?





Topic

Tuesday - Materials & Instructions

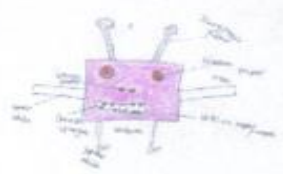
Step 1:

Write down a list of materials and equipment you will need to make your monster. Think about which pneumatic system you are going to use (use yesterday's link to remind yourself).

Step 2:

Complete a step by step guide on how you are going to make your monster. Remember to:

- Give clear instructions in chronological order.
 - Draw pictures.
- Use time connectives (first, the, next, finally)

Step by Step Guide to Making a Moving Monster		
	Step 1	Step 2
		
Step 3	Step 4	Step 5



Topic

Wednesday - Construction

Step 1

Hopefully, you have all of the materials you need to start building your monster. Use the instructions you wrote yesterday to help you organise yourself and to ensure you don't leave anything out. Don't be afraid if you need to change your original design.

Step 2

Once you have built the base of your monster, you can then add the finer details:

- Colour (paint, crayons, tissue paper)
 - Eyes
 - Nose
 - Ears

Remember:

When you are building your monster, you must ensure that one part of it is able to move. You will have to think carefully how you can achieve this.

Step 3

Leave to dry (if needed) until tomorrow. This will allow you to include your pneumatic system without smudging anything wet.



Topic

Thursday-Pneumatic

Step 1

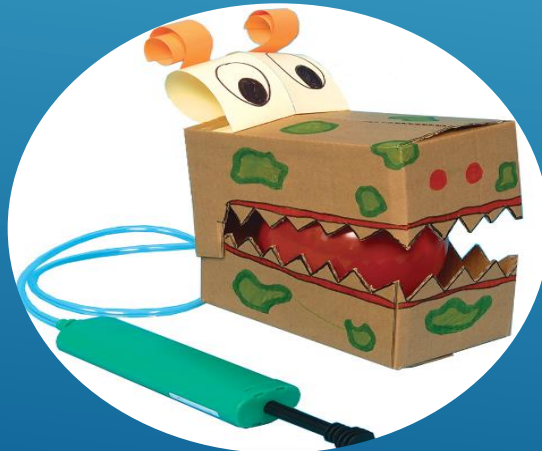
Finish any leftover pieces from yesterday.

Step 2

Add your pneumatic system to your monster and watch it move!!

Step 3

Make sure you take lots of photos to share with us!



Year 3 and 4 - Monday 29th June 2020 - Topic Task grid



Topic

Friday - Evaluation

Today you are going to be evaluating your finished monster. Why? Evaluating something you have made means thinking about what went well, what was difficult, what you are pleased with and what you would change if you were to make it again. Evaluating is important because it helps you to make your work better in the future and to avoid making the same mistakes.



My Moving Monster Evaluation



What did you enjoy the most about making your monster?	What did you enjoy the least about making your monster?
What was the most difficult part?	How did you overcome any problems you came across?
What changes have you to make (if any) to your plan to make your monster successful?	How pleased are you with how your monster looks? Why?
How pleased are you with how your pneumatic systems works? Why?	What would you do differently if you were to make your monster again?