



SHOES!!

This week your project is going to be **Design and Technology** based. You are going to be looking at, designing, making and evaluating shoes! You will be using newspaper for the actual body of the shoe.



The week is set out as below with the information and resources in the pack:

Day 1 - Investigating products

Day 2 - Designing your shoe including measurements

Day 3 and 4 - Making your shoe with newspaper

Day 5 - Evaluating your shoe - did it meet the design specification?

Before you start have a look at similar project in another school for some ideas:

<http://mrs-crosbie.blogspot.com/2014/06/newspaper-shoes.html>

Watch these videos about the shoe designing process:

https://www.youtube.com/watch?v=MTkY2N_vZmE&list=PLgiauwawBZP0DB0x5Opv4GymuL_vOliDX

https://www.youtube.com/watch?v=wSPwfY4ZXpU&list=PLgiauwawBZP0DB0x5Opv4GymuL_vOliDX&index=3&t=0s

Is origami going help you this week?

<https://www.youtube.com/watch?v=CPNaCwI0k6o>

Design Specification:

Your task this week to design, make and evaluate a shoe made from newspaper. You must ensure that your shoe fits your foot and is solid enough to stand, walk and jump in!

Choose one of the following projects:

- A) Design and make a sandal that is suitable for both male and females that includes more than one strap. Key Question: How will you prevent it from slipping off?
- B) Design and make a shoe that would be suitable for exercising in. Key Question: How will you ensure that the ankles and knees are protected from the impact of exercise?
- C) Design and make an animal slipper for children. Key Question: How will you ensure that the animal recognisable?

Day 1 – Investigating products

Now you have chosen your project. Use the following pictures to help you complete the first task:

- A) Design and make a sandal that is suitable for both male and females that includes more than one strap. Key Question: How will you prevent it from slipping off?



Sandal 2



Sandal 3



Sandal 1

- B) Design and make a shoe that would be suitable for exercising in. Key Question: How will you ensure that the ankles and knees are protected from the impact of exercise?



Trainer 2



Trainer 3



Trainer 1

- C) Design and make an animal slipper for children. Key Question: How will you ensure that the animal recognisable?



Slipper 2



Slipper 3



Slipper 1

Look at each of the shoes in your chosen project and chose one pair to investigate further for the sheet below:

Draw and label one of the products you have examined and show:

- materials used;
- components used;
- methods of fixing used;
- movement/types of motion;
- methods of finishing used (eg painted, polished etc);
- who the product has been designed and made for.

Evaluating: investigating products

Day 2 – Designing my product.

Remember that you are going to making your shoes from newspaper.

Watch this video about how folding and rolling paper can make it stronger:

<https://www.youtube.com/watch?v=qFZGmHbjLSM>

What does the video tell you about what you need to do with the paper to make your shoe strong?

When designing your shoe, you need to think about what materials you have a home to hold it together (glue/sellotape/masking tape) etc. and what materials you have to decorate your shoes with. You only have to make one shoe but feel free to make both feet if you have enough materials.

**Your task this week to design, make and evaluate a shoe made from newspaper.
You must ensure that your shoe fits your foot and is solid enough to stand, walk and jump in!**

Designing: design criteria for my product

I am designing and making my product for _____

I want my product to (list the most important feature first):

1. _____
2. _____
3. _____
4. _____
5. _____

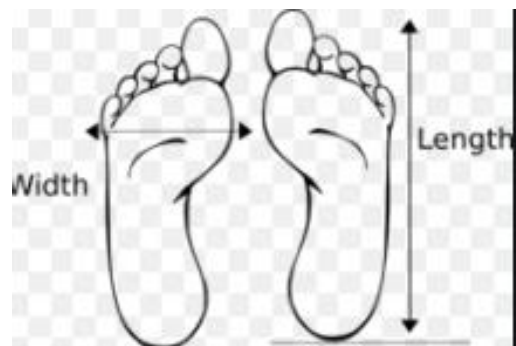
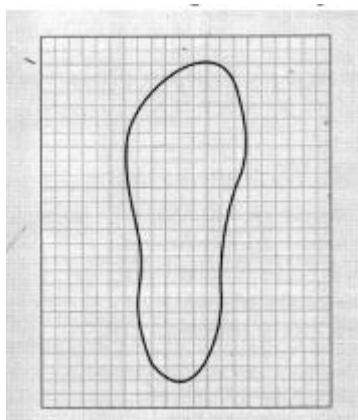
Start by designing two different versions of the shoe that will meet the success criteria:

Designing: ideas for my product

Ideas for my product:

Before you choose your final design you need to measure your feet so that the newspaper shoes actually fit your foot!

The easiest way to do this is to draw around the shoes that you are currently wearing (or ones you wear most of the time) and then use a ruler to see what the length and width your shoes will need to be.



Now **choose one** of your two designs to go forward as the actual shoe you will be making.

You need to ensure that you label:

- *The length and width of your shoes

- *How you will use the newspaper (folded etc)

- *How you will attach the newspaper together at the different points of the shoe

- *How you will finish the shoes - what decoration will you add?

Make sure you have included the answer to the key question (go back to first page!)

Designing: presenting my selected design idea

Draw and label the final design you have chosen.

Day 3 and 4 - Making the shoe/s

Before you start making your shoes, write your action plan thinking about the order that you are going to do things in:

Action plan:

List the sequence of activities you will need to go through to make your product:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Now you can begin to make your shoe/s.

Remember the original design specification:

Your task this week to design, make and evaluate a shoe made from newspaper.
You must ensure that your shoe fits your foot and is solid enough to stand, walk and jump in!

You must make sure your shoe/s fits!

Please take photos of your finish product and hand them in to Google Classroom!

Day 5: Evaluating your product.

Now it is time to test your product to see if it meets the design specification!

1. Does it fit your foot?
2. Can you stand in it?
3. Can you walk in it?
4. Can you jump in it?
5. Did you make something that answers the key question to your project? (See the first page!)

After you have tested your shoe, complete the evaluation form below:

Evaluating: my own thoughts about my product

After you have finished and tested your product, say how well you think it meets your design criteria.

Design criteria	Tick			Comments
	Fully meets	Partially meets	Does not meet at all	
1				
2				
3				
4				
5				

What are the best parts of your design?

What parts of your design would you change and why?

How could you plan your work better in future projects?

What have you learnt from doing this activity?
Where else can you use these new skills?

