

What's inside an astronaut's suitcase?

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Paper Mache planets!
Look on the next page for instructions

If you were going to spend a year in Space, what would you pack?

Can you create a suitcase containing the 10 items you would pack, and explain why you chose them? You could draw a picture, use cardboard to create a suitcase, or simply list and explain your items—the choice is up to you.

Hint: Don't pack any food, that will be provided for you!

Create the solar system.

You could use:

- Paint
- Pencil Crayons
- Pencil
- Paper Mache
- Cardboard
- The computer

Can you write a 'how to' guide for living on the International Space Station?

In Space, you have to do everything differently because there is no gravity. If you were to pour water out of a bottle, it would float away like a bubble! It's your job to provide instructions and tips for new astronauts who will be visiting the International Space Station. Here are some useful links to help you:

Wash your hair: <https://www.youtube.com/watch?v=kOIj7AgonHM>

Brush your teeth: <https://www.youtube.com/watch?v=TU9kffoAQ8U&t=7s>

Go to sleep: <https://www.youtube.com/watch?v=UyFYgeE32f0>

Make a sandwich: <https://www.youtube.com/watch?v=AZxORIV0wss&t=3s>

Youtube has some brilliant videos! Just search 'Chris Hadfield International Space Station' and you get lots of results!

Create a fact file about a planet.

Use the internet to find some interesting facts about your favourite planet! You could create a PowerPoint, a booklet or a poster! The opportunities are endless - it's up to you!

Make a space helmet using the materials you can find in your house! You could use tinfoil, cardboard, paper etc.

Instructions on how to make a paper mache planet

Equipment:

- Balloon
- Newspaper
- Glue (if you don't have any glue, mix flour and water together until it looks like pancake batter!)
- Paint
- Bowl

Top tips!

- Place a blown-up balloon (tied end down) in a small bowl. The bowl will hold your balloon steady as you work.
- After dipping each strip of newspaper into the glue mixture, run it between two of your fingers to remove the excess mixture.

Instructions

1. Blow up a balloon
2. Create your glue mixture (in a bowl!) If you have glue, mix 1/4 cup of glue and a small amount of water together. If you don't have any glue, mix flour and water together until it's the same consistency as pancake batter.
3. Tear your newspaper into small strips, and dip the strips into the glue mixture (so both sides are covered in glue)
4. Cover each balloon entirely with wet strips, and you can even add multiple layers (remember, planets are bumpy—they aren't smooth).
5. When you have covered the entire balloon with newspaper, let it dry over night.
6. After your balloon is dry, you can begin to decorate your balloons. You can use paint, or add bits of cardboard and paper to create the different designs of the planets (rings etc.)
7. Finally, send a picture of your completed planet to y5homelearning@ravensbury.manchester.sch.uk