

Family Learning Challenge

Week 8

Friday 15th May

This week's theme: **The Weather**

This week we will investigate the weather and have fun with some weather related activities!

How to take part:

Each Family Learning Challenge is a mini project full of fun, themed activity ideas for children to complete with their families while schools are closed. Each week the project will finish with a final challenge, which you can submit to Children's University and to your school community online. Share your learning with the community and keep connected with others!

1.

Make a start by completing the starter activity below...

2.

Build your project by picking from some of the fun mini activities in the grid on the second page. You can do as many as you like to explore this week's theme!

3.

Complete the final Family Challenge on the third page when you're ready, and submit it to the Children's University community online!

Make a start here!

Become a meteorologist! Learn more about the weather and set up your own weather station. Watch the video to get started!

<https://www.youtube.com/watch?v=5-yYOpgmmp8>

Build Your Project

Now you've made a start, pick from some of the fun follow up activities below to explore this week's topic! Can you think of other great activities around this theme? Share them with our community!

Make a tornado in a bottle

Learn about a tornado using the following link

https://www.youtube.com/watch?v=CU0enuGnSjY&list=PLQInTIdJs0ZQ67D3cB0HVIAf3H_y8u54T&index=8

Now create your own mini tornado by filling an empty bottle with some glitter, washing up liquid and water. Place your bottle on a table and spin it really fast. Let go and watch as a vortex is created!

Make an umbrella

Umbrellas are designed to keep you dry in the rain. Investigate what materials in your house make a good umbrella. Choose different types of materials and place something under them (like a doll) and see if it stays dry when you pour water over it. Remember to do this in a sink, bath or outside!

Make a rain gauge

Rain gauges measure the amount of rain that has fallen. Watch this clip to see how you can make your own rain gauge. Use it to keep a record of rainfall over summer.

<https://www.youtube.com/watch?v=QOzdcM-YZ2U>

Make a wind vane

A wind vane tells you the direction of the wind. Make one to use outside. Instructions can be found by watching the video

<https://www.youtube.com/watch?v=9loYzv8mz5s>

Grow your own rainbow

Rainbows are always beautiful when they appear in the sky. Can you follow the instructions to grow your own rainbow?

https://www.youtube.com/watch?v=af_oNMjG8SQ

Learn about the clouds

Use your research skills to find out about different types of clouds and their names. Look out the window, what type of clouds can you see?

Family Challenge

Now you have taken part in some of the mini activities, time to complete your final mission...

Complete the **Family Challenge** below, and submit your completed challenge to Children's University Scotland.

Every entry we receive will be entered into our scrapbook each week and shared with the community who helped to create it online. Take up the challenge and get involved!

This week's challenge...

Create a weather forecast

Instructions: Watch a weather forecast on the TV and then try to create one of your own

1. Draw a map of the country you are forecasting the weather for. This could be a real place or a place that you have created!
2. Make some weather symbols to attach to your map to show what weather you have forecast for different areas.
3. Make a video of you giving a weather forecast for the next day - remember to dress for the TV!

Submit your challenge!

You can submit your challenge entry in the following ways:

Don't forget to include your name, age, and school. Ask an adult to help you.

1. Via Twitter

Tweet a picture of your work to [@ChildrenUniScot](https://twitter.com/ChildrenUniScot). Use the hashtags #FamilyLearningChallenge and #CUS. Don't forget to tag your school's twitter account too!

2. Via Email

Email your work to contactus@childrensuniversity.scot

3. Via Facebook

Send us a message on Facebook with a picture of your completed challenge. Our Facebook page can be found by searching for '[Children's University Scotland](https://www.facebook.com/ChildrensUniversityScotland)'.

Collect your credits!

If you have a Children's University **Aspire** account, you can collect **2 credits** for completing the Family Challenge!

Send us your entry first, and then log your credits online at www.cus-aspire.com.

Search for 'Family Learning Challenge' in the activity search to find the activity.

More activities are available at...

www.childrensuniversity.scot/cu-members/learning-at-home