



Children's University Australasia: Autumn Challenge



Complete as many activities as you can from the booklet, then return to your in-school CUA Coordinator to earn 30 minutes for each activity in your Passport!



Activity 1 – Term 1 Rewind!

Congratulations – you've almost made it a quarter of the way through the school year! Answer the below questions to tell us about how your first term is going.

What is your favourite memory from Term 1?

Who was your best friend this term? What did you like about them?

What is one thing you have learned this term?

What has been your favourite CU activity this term?



Activity 2 – Make a Nature Mobile

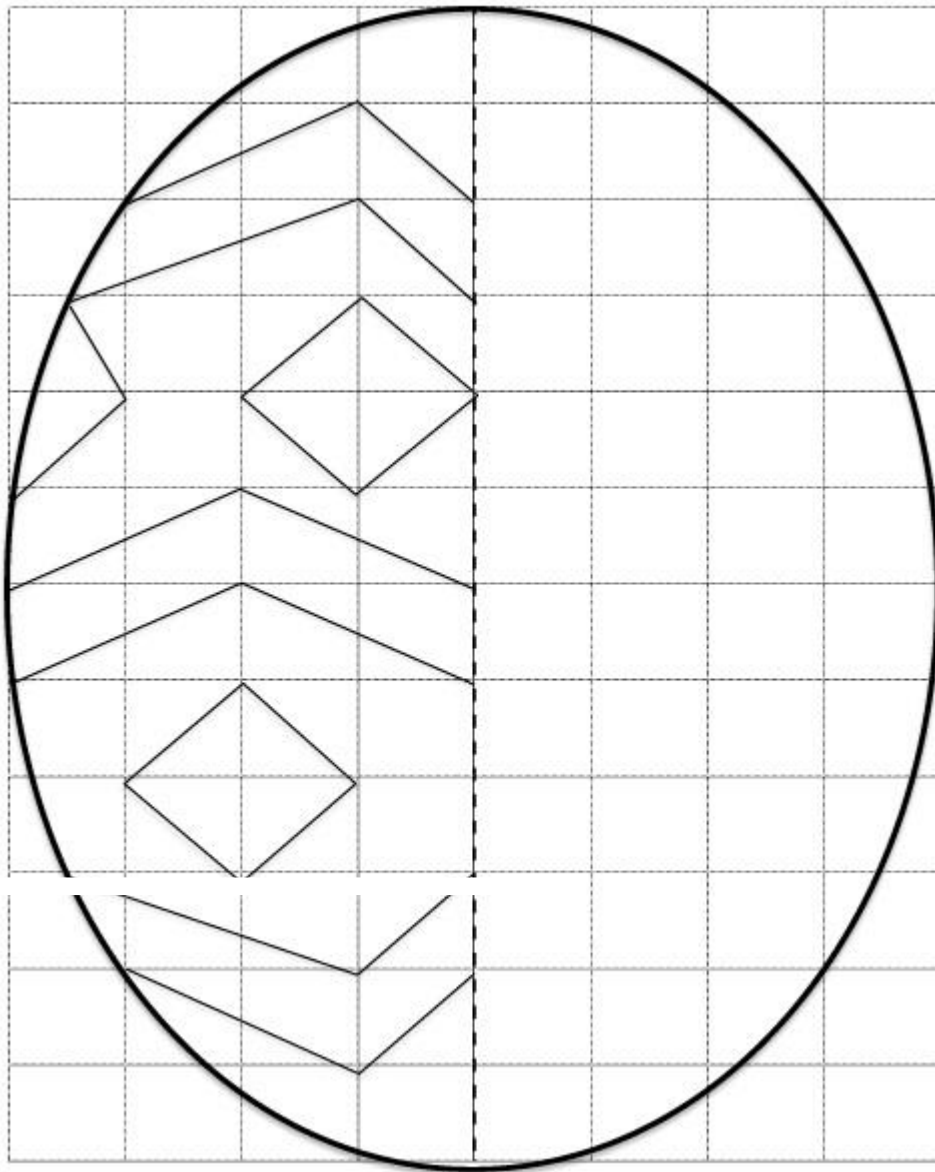
Explore your backyard, a local park or forest and collect a range of materials to create a nature mobile. Use these images as inspiration.





Activity 3 – Symmetrical Pattern Eggs

Symmetrical designs are identical on both sides. Use the grid lines to complete the symmetrical pattern on the egg, then colour it in!





Activity 4 – Easter Around the World

Easter is a celebration that is shared around the world. There may be differences in how people celebrate and what traditions are involved, but the phrase “Happy Easter!” is constant – although it sounds a little different!

Use your research skills to match the “Happy Easter” to its native language

Chinese	Gelukkige Paasfees
Spanish	Eyd Fasf Saeid
Japanese	Frohe Ostern
Arabic	Buona Pasqua
Italian	Gelukkig Pasen
French	Īsutā, omedetō
Swedish	Felices Pascuas
Dutch	Fùhuó jié kuàilè
Afrikaans	Glad påsk
German	Joyeuses Pâques



Activity 5 – Pumpkin Products

Now is the time for pumpkins to be ripe and ready!

Use your imagination to make something from a pumpkin. Here are some suggestions, but see how creative you can be:

- Make soup
- Make bread
- Make pie
- Roast the seeds for a tasty treat
- Carve it

Provide evidence of your creation to your in-school CUA coordinator.



Activity 6 – Paper Clip Challenge

Your challenge, should you choose to accept it, is to take one small, ordinary paperclip and try to trade it up for as much value as possible. This is a lesson in creativity and connection as there are many ways to create mutually beneficial exchanges.

Check out this video for inspiration - <https://vimeo.com/285030517>

I started with a paper clip and traded it for...

I ended up with...



Activity 7 – Science Eggs-periment

Aim: To describe the effect of vinegar on a hard-boiled eggshell.

Materials

- One hard-boiled egg
- White vinegar
- Clear glass
- Tablespoon
- Plate

Method

- Pour vinegar into glass until it is half full
- Add the boiled egg to the glass so that it is underneath the vinegar
- Record what you see in the space below
- Leave the egg in the glass for 24 hours
- Use a tablespoon to remove the egg from the glass
- Pick the egg up with your fingers and feel it
- Record what the egg feels like
- Leave the same egg on the plate for a day
- Pick the egg up with your fingers and feel it
- Record what the egg feels like



Results

What happened when you put the egg in the vinegar?

How did the egg feel after sitting in the vinegar overnight?

How did the egg feel after sitting on the plate overnight?

What happened?

Eggs contain something called "calcium carbonate". This is what makes them hard. Vinegar is an acid known as acetic acid. When calcium carbonate (the egg) and acetic acid (the vinegar) combine, a chemical reaction takes place and carbon dioxide (a gas) is released. This is what the bubbles are made of.

The chemical reaction keeps happening until all of the carbon in the egg is used up -- it takes about a day. When you take the egg out of the vinegar it is soft because all of the carbon floated out of the egg in those little bubbles.

After you leave the egg on the plate, the calcium left in the egg shell stole the carbon back from the carbon dioxide that's in the air we breathe.



Activity 8 – Peg Eggs!

In this simple craft activity, you will create a moving Easter egg using some craft paper and a clothesline peg.

Materials

- Clothesline peg (preferably wood so you can decorate it)
- White paper/cardboard
- Glue
- Scissors
- Colour pencils and/or texta

Method

Step 1 – Draw an egg on your white paper/cardboard. You can choose the size, but it should be no longer than 10cm from top to bottom.

Step 2 – Decorate the egg using the pencils/textas.

Step 3 – Cut out the egg, then cut a zig-zag across the centre so it looks like the egg is cracked.



Step 4 – Glue each piece of the egg onto the end of the peg. See the picture below:



Step 5 – Your egg is now ready! For an extra challenge you can draw and cut out a picture of a small chicken or rabbit, then glue it to the egg to make it look like it is perched inside!



Activity 9: Autumn Leaves

How many words can you make out of 'Autumn Leaves'?

Here are some clues to help you:

- A number
- Another word for borrowed
- The opposite of spend
- Something you cook

And now, over to you....



Activity 10: Eggshell Mosaic

Next time you bake a cake don't throw away the egg shells - use them to create a lovely eggshell mosaic picture! Perfect as an Easter or spring craft.

Materials

- Egg shells from three (or more) eggs
- Food colouring
- Paper
- Glue
- Something to draw with

Method

- Wash the egg shells really well and remove as much of the membrane (gooey stuff inside the shell) as you can
- Crush the egg shells, then split them evenly into three (or more) zip lock bags
- Pour vinegar into each bag so that it covers the egg shells
- Add a tablespoon of food colouring (different colours) into each bag
- Stand the bags up in a tray so that they don't make a mess, and leave to sit overnight. Give the bags a shake every few hours if possible.



- Drain the vinegar out of each bag, and leave the shells to dry in an oven tray. To speed up the drying, you can ask an adult to bake them in an oven for 30 minutes at 100°C
- While the egg shells are drying, draw the outline of your picture on a piece of paper
- Use the dried, coloured eggshells to fill in your picture. Do this by gluing the paper, then sticking the shells onto that. See below for some examples!

