

2021

AUTUMN CHALLENGE

Start Here! Some things you'll need for the activities on this sheet:

Paper and pens/pencils, toothpicks, long shoelace, camera/camera phone (optional), ball, apple, pin (optional), vegetables for soup, food colouring (2+ colours), balloon, salt & pepper, (clean) bottles or cardboard from the recycling for your water-powered boat.

<p>1. SUSPEND YOUR DISBELIEF</p>	<p>2. Leafy Lab</p>	<p>3. Make A BALL RUN</p>
<p>You'll need: re-used plastic bottle, half filled, 3 toothpicks, long shoelace. Can you suspend the bottle from a table or surface with just the toothpicks and shoelace? Don't damage the table! Hint: you'll need something heavy like a full bottle or tin to set up the trick...</p>	<p>Find a leafy tree near your home. You're a leaf scientist studying how the changing season will affect the tree's leaves. Take photos or draw pictures on day 1, 7 and 14. How do the leaves change each week?</p>	<p>Mark two points 2m apart. Work together to find 5 different ways get a ball from point A to point B. You can use any objects to help (with permission), but you can't use the same object in the same way twice.</p>
<p>4. Pixie Garden</p>	<p>5. Apple Sculptor</p>	<p>6. Where IS That?</p>
<p>Create a mini pixie garden. Build it somewhere where friends and neighbours can enjoy indoors or outdoors. <i>Some ideas:</i> rocks make a great wall or water feature. Make a hut tiny enough for a pixie with twigs and leaves. Decorate with pinecones, conkers, pebbles or flowers.</p>	<p>You'll need: 1 apple and 1 toothpick or needle. Plan your creation before you start. Then, get carving! Top tips: 1. You could use extra toothpicks to shape or support your sculpture. 2. Why not decorate with sweets, dried or fresh fruit, or your edible paints from activity 8? 3. Add scraps to soup, cereal or snacks.</p>	<p>Think of 5 places or things you and your family see regularly in your neighbourhood. Draw or take photos of tiny sections of those 5 things/places. Time how long it takes each person to correctly guess: where is that? The quickest is the winner!</p>
<p>7. Super Soup</p>	<p>8. Edible Watercolours</p>	<p>9. Magic Balloon</p>
<p>Soup is the perfect food to help you stay toasty on a chilly autumn day. Warm the hearts (and tummies!) of your loved ones by making them a lovely bowl of homemade soup. Try a new recipe or practise a family favourite, it's up to you.</p>	<p>You'll need: some clean jars, food colouring (2+ colours), water, brush (or DIY brush). Add some water to jars. Mix in 1/2 tsp of food colour to each jar. Stick with the basic colours or mix new ones. Use your paints to decorate an edible canvas, e.g. biscuits, toast, cakes, ice cream. Can you make other edible paints with brightly-coloured food or drinks?</p>	<p>You'll need: balloon, ground pepper, salt, bowl. Set-up: 1. Mix salt and pepper in the bowl. 2. Rub balloon on a wall to make it static. Trick: Hold your balloon over your salt and pepper mix, moving closer until you pick up pepper grains. You'll need to look closely! Can you work out why pepper but not salt moves towards the balloon?</p>

10. Water-Powered Boat	11. Climate Activist	12. Truth Finders
<p>You'll need: read the instructions and decide what you'll need. Make a boat base from a plastic bottle or piece of cardboard. Create a water reservoir from 1/2 a small bottle, stick it to the base close to the back (make sure it balances in water). Make a small 3mm hole in the reservoir facing the back of the boat, then fill it with water. As it empties from the back of the boat, watch your boat speed away!</p>	<p>Everyone has a role in keeping our planet healthy. Governments and big businesses can make the biggest difference but don't always do the right thing. Write an email or letter to your local MP/MSP or a business leader asking them take action on climate change for a better future. How can you persuade them to do everything possible to limit damage to the environment?</p>	<p>For 2 teams, each team has 1 or more players. Each player comes armed with 5 truths that sound like lies and 5 lies that sound true. Write your truths/lies on separate pieces of paper and don't show the other team. Players take it in turn to say a truth or lie to the other team. The other team guesses if it is true or a lie. The player with the highest number of correct guesses wins! <i>Level up:</i> Next time you play try writing truths/lies about famous figures from history.</p>

THANK YOU FOR TAKING PART!

FIRST TIME HERE? CHECK OUT OUR TOP TIPS BELOW:

1. Take part before or after school, in break times, at the weekend or in the holidays. Why not enjoy the activities as part of a CU lunchtime club?

2. Log your credit at www.CUS-Aspire.com if you're a CU Scotland member. If you're not a CU member, you can still download the sheet and use the ideas.

3. Share your story! We love to hear what CU activities you've been doing. Get in touch using the information below.

Email us: contactus@childrensuniversity.scot

Write to us: Children's University Scotland, 44 King Street, Stirling, FK8 1AY

