

Winter Challenge: Essex Children's University & Suffolk Children's University

Complete your challenge and take the evidence into your school for CU Learning Credits to be awarded.

Alternatively email your evidence to admin@essexchildrensuniversity.co.uk or manager@suffolkchildrensuniversity.co.uk

Winter Scavenger Hunt

Woodland Trust: Nature Detectives

The trees may be bare, and animals tucked up in hibernation, but there's still plenty to spot on a winter walk.

Keep an eye out and tick these items off your list

1. glossy evergreen leaves
2. a lacy leaf skeleton
3. bumpy bark
4. fallen tree cones
5. a y-shaped stick
6. animal tracks on the ground
7. evergreen tree
8. chimney smoke
9. berries
10. holly
11. mistletoe (you'll need to look up for this)
12. a leafless tree
13. your breath
14. a robin
15. a dog wearing a coat

1 hour of CU Learning

Science with Dr Jo


Dr Jo is one of our new Learning Destination partners and she is setting a challenge every day until Christmas.

Here's one for starters.

You'll find more on Twitter

www.twitter.com/DrJoScience

Lava Lamp Snowman



- Fill a jar or glass 1/2 full with milk and water
- Add a deep layer of cooking oil
- Add small bits of fizzy vitamin tablet

The oil floats on the surface as it is less dense than the milk/water and the liquids do not mix. When you add small pieces of fizzy vitamin tablet (or sodium bicarbonate and citric acid) a chemical reaction releases bubbles of carbon dioxide and carries blobs of liquid through the layers.

You can also make a lava lamp using vinegar and food colouring and add a few sprinkles of sodium bicarbonate to the surface of the oil.

Shine a torch to make the effect even more magical!

30 minutes of CU Learning for each activity completed

Crafty Challenge

We set this Challenge as a CU Pop Up Activity and the results were amazing

Recipe: 2 cups flour, 1 cup salt, cold water. Mix until it has the consistency of play dough. Imprint and bake at 250 for 2 hours, then cool and paint.



1 hour of CU Learning

Tiny Treasure Hunt

Woodland Trust: Nature Detectives

On a walk, keep your eyes peeled for really small things that you can fit into a matchbox. Collect little leaves, snail shells, tiny twigs, feathers, and pebbles...what else can you find?

Why not turn it into a competition with your family?

Who can fit the most items in their matchbox?

1 hour of CU Learning

RSPB Big Garden Watch 2021

Make a note in your diary for the RSPB Big Garden Watch which happens between 29th and 31st January 2021

You'll find all the details on the RSPB website by visiting www.rspb.org.uk Click on Get Involved.



Winter Biscuits

Who doesn't enjoy a decorated biscuit?

Inspired by this biscuit I saw recently, bake or buy some biscuits and decorate them with a winter theme.



Bake & decorate: 1 hour of CU Learning

Buy & decorate: 30 minutes

Either way, I can't wait to see your design ideas!

Join the Winter Mini Challenge

www.wintermini.org.uk



Nessa and Demelza from Knights and Bikes are heroes of adventure! Their sleepy town of Penfurzy needs saving and they're the only ones who can face down danger with frisbees, water-balloons, feathers and a toilet plunger!!

2 hours of CU Learning for completing the challenge

Stargazer

Head out star hunting with your family!

Use a star map and pick some constellations to hunt for. You can find a star map at

www.astronomynow.com/uk-sky-chart

Can you find any constellations – if so, how many? Find out about when some famous constellations were discovered, and the stories behind their unusual names. Share your findings with us.

1 hour of CU Learning