

## Essex Children's University & Suffolk Children's University

### Summer Challenge 2019

#### Totem Pole

**Our friends at CU Scotland set this challenge for their CU Learners and we really like it!  
We will share your designs with them too!**

Totem poles are beautifully carved wooden sculptures. They come from indigenous tribes in North America, where totems are used to share stories about their tribe.

Explore the history of totem poles and then make your own. Think about creating a 3D design

You will need (you can use other materials too of course)

- Empty toilet or kitchen roll
- Card/paper to decorate
- PVA glue
- Coloured pens/pencils/paints

#### What story does your totem tell?

1 hour of CU Learning



#### Make an Eco-Brick



An Eco-brick is a reusable building block created by packing clean and dry used plastic into a plastic bottle to a set density.

Eco-bricks enable us to take personal responsibility for our plastic.

Eco-brick building is simple, but there are some important rules that you should follow and you will find all the information you need on this YouTube Link (please check with a grown up that you are allowed to use YouTube first)

Send us a picture of your Eco-brick and we will let you know where you can drop it off to, so that it can be used for building projects.

<https://youtu.be/MQYsXxHKgMk>

1.5 hours of CU Learning

#### Morse Code

Morse Code is an alphabet or code in which letters are represented by combinations of long and short light or sound signals.

Conduct some research to find the Morse Code Alphabet and then, using the Code, write some secret messages to your family and ask them to decode them.

How else could you send a Morse Code Message?

Why not send us a coded message to the Children's University office and we will have a go at cracking your coded message too.

Can you crack ours?



1 hour of CU Learning

#### Beachcomber Scavenger Hunt

Next time you go to the beach look out for and collect (where it is safe to do so) these different items:

- ✚ Something red
- ✚ 4 kinds of shells (can you identify them?)
- ✚ Sea glass
- ✚ Stone with a hole
- ✚ Driftwood
- ✚ Something bright
- ✚ Something dull
- ✚ 3 kinds of seaweed (can you identify them?)
- ✚ Something from an animal
- ✚ Something slimy (check with an adult before you pick it up!)

What does the word beachcomber mean? What else did you find? Send us a short report on your findings.

1 hour of CU Learning

Have a waste free day!

“No One is too small to make a big difference”

Can you go an entire day or more (from the minute you get up to the minute you go to bed) without creating any waste?

Is it as easy as it sounds?

Keep a diary of your day and write down all the occasions when you had to make a different choice.

How many days did you do this for?

Send us your diary and we will award you with  
**1 hour of CU Learning**

Storyteller

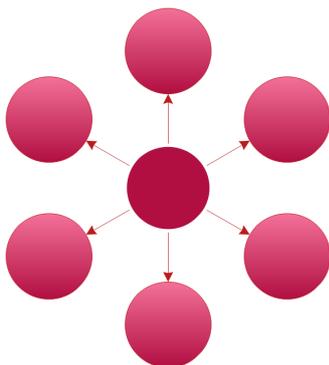
Head to your local library and find a non-fiction book that interests you. As you read your non-fiction book, take some notes.

Use your imagination to create your own story (it could be a comic book story if you like to draw too) with all the facts that you have learned in it.

**1.5 hours of CU Learning**

**Puzzle Time  
Seven Up**

Put the numbers 1, 2, 3, 4, 5, 6 and 7 in the circles so that each straight line of three numbers adds up to the same total



**30 minutes of CU Learning**

Calculate your Food Miles



Food miles are a way of attempting to measure how far food has travelled before it reaches the consumer. It is a good way of looking at the environmental impact of foods and their ingredients. It includes getting foods to you, but also getting waste foods away from you, and to the landfill!

Track the food miles for a few ingredients you have at home. You will be able to look at the packaging to see whereabouts the product has come from ... and you can use the handy Food Miles Calculator on the Food Miles website.

Send us the results of your research  
<http://www.foodmiles.com/>

**1 hour of CU Learning**

**Puzzle Time  
Money on my Mind**

Put four coins on a table, all tails up, like this:



Turn any three coins over: this counts as one move. You must turn three different coins to complete one move! How many moves will it take to get all the coins on heads? Remember: you have to turn three coins over each move.

**30 minutes of CU Learning**

Word of the Day

Learn a new word each day for a week in the summer holidays. Have a look at books and/or magazines and newspapers you might have at home to find words you do not recognise the meaning of.

You might prefer to listen to somebody presenting on television and hear a word that you are not familiar with.

Make a list of your new words and their meanings and share it with one of your teachers when you return to school.

*Why not start with the word 'Discombobulate' if you're stuck for ideas on Day 1.*

**1 hour of CU Learning**

Children's University and Me



Create a piece of persuasive writing, with pictures too/photographs of you taking part, if you would like to include some, to encourage other children in your school and in other schools to get involved with Children's University.

Tell them about your experience, what you enjoy, some of the things you have learned, places you have visited and what the CU Graduation ceremony is like and how CU makes you feel.

Send a copy of your story to us and we will share them.

**1.5 hours of CU Learning**

