

# STEAM Challenges

# Year 1 - Summer 1

#### Science



## To be completed during the week beginning 21st April 2025

Do you know where birds live? Birds use their beaks to weave materials together to make a nest. Can you make a nest for a bird? Go outside and collect some natural materials such as sticks, twigs, grass, leaves, feathers, bark and straw. Where would the best place be to put your nest?

## **Technology**



### To be completed during the week beginning 28th April 2025

Use technology to locate the four countries of the United Kingdom and their capital cities. Can you also search for any other meaningful places to you within the United Kingdom?

## Engineering



## To be completed during the week beginning 5<sup>th</sup> May 2025

Build a boat that can float! Use materials that are waterproof/buoyant to build your own boat. You could use plastic cups, plastic bottles, sticks, aluminium foil, etc. Test your boat out by seeing if it can carry something small like a penny or a button. How many small items can your boat carry without sinking?

# Arts



#### To be completed during the week beginning 12th May 2025

Can you create a musical instrument that makes a sound? You could use materials such as: plastic bottles, cardboard boxes, dried food (e.g. pasta, rice, etc.), elastic bands, etc. Create a beat using your new musical instrument. You could add in some body percussion too!

# Maths





### To be completed during the week beginning 19th May 2025

Can you calculate how much money you would need for an item when you go shopping with your family? How much does the item cost? Which coins would you need?

Children in Year 1 can bring any STEAM Challenge work they complete into school or submit it to the year group homework email address - year1homework@thedenbighalliance.org.uk