


Individual Activity Lesson Plan

Date: Thursday 16 th July 2020	
Activity Title: Tin Foil Boat Challenge	
Learning Intention: To explore how things work.	Activity Overview: To follow a set of instructions to create a boat that can float using tin foil.
Links to EYFS: Understanding the world. Talks about why things happen and how things work Mathematics To use shapes appropriately for tasks.	
Equipment: Tin foil A ruler Permanent marker pen or biro Scissors Pennies Lego people or small world toy. Water tray	Key vocabulary: Boat, foil, float, fold, hold, experiment, predict.
ACTIVITY IMPLEMENTATION (including key question)	
Introduction: Recap on our story of the week. The Lighthouse Keeper's Lunch Ask your child the following questions What was Mr Grinling's job? How did Mr Grinling travel to the lighthouse? Main Activity: Explain to your child that they are going to engage in a science experiment and create a boat using foil. Then they will add pennies to see if the boat will still float or sink. Method <ol style="list-style-type: none"> 1. Using a ruler draw a rectangle on your tin foil measuring 5x6 inches. 2 Cut out your rectangle. 3. Fold up the sides of your boat to create an enclosure. 4. Place your boat in the water tray. Does your boat float? Can you get your boat to move without touching it? What do you think will happen if you put pennies into your boat? Can you predict how many pennies your boat can hold before it will sink? How many pennies did you add to your boat before it sank? Why do you think your boat sank? Challenge: Can you experiment with different ways to place your pennies into your boat to even out the weight?	

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Additional ways to support your child:

Support your child with measuring the rectangle shape for their boat and cutting the foil.

Extension:

Can you suggest and experiment with other materials to make a boat.

