Challenge Three

Waterways Ireland
Uiscebhealaí Éireann Watterweys Airlann

Nature Navvies Programme





BUILD A BARGE

www.learning.waterwaysireland.org

Nature Navvies Challenge Three:
Art - Build a Barge Competition

A barge is a flat bottomed boat designed specifically to transport goods and passengers along canals and rivers.

Materials required for each group

Tall milk/juice carton, cork, pegs, bottle top, emulsion paint, pva glue, scissors, paint brushes, strips of white paper 1.5cm thick, markers, varnish, clay, lollipop sticks, coloured card



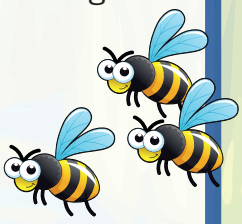
Divide the class into groups

Introduction

Put the photo of the barge on display for the children. Discuss the differences between a barge and a boat. Barges were constructed in this shape so that they could travel successfully along canals.

Main Body

1. Cut the carton in half lengthways. One half will act as the boat. Cut off the ends of the other half to leave a rectangle of card. This will be the roof of the boat.
2. To make the roof, measure 1.5cm either side of both the existing creases and score lines with a blunt pencil or ruler. The lines will make it easier to fold the card.
3. Paint the outside of the boat and the future roof. A few coats may be needed.
4. Fold the roof along the lines and glue the edges to the inner sides of the boat. Peg until the glue is dry.
5. The teacher will cut the corks in half and the children will paint them. One will be glued to the roof and the other is glued to the back.
6. The bottle top may be glued onto the front of the roof as a funnel.
7. The paper strips may be decorated with patterns using markers and glued along the edge. The barge may be named and its name may be stuck along the edge too. Draw windows onto white paper and stick them on.
8. The children may wish to make furniture, flower pots or other decorations using clay, lollipop sticks and coloured card.
9. The boat may be varnished when the glue is dry.



Conclusion

The children will look and respond to each other's creations. Photos will be taken of each barge and emailed to **learning@waterwaysireland.org**.

To be included in an annual competition please supply details of school name and address, phone number, class teacher, students name, barge name.