Be an engineer

Our worksheets are designed to help you explore our canals and waterways, and try new skills. Developed by the Canal & River Trust with Appreciating People for the book Number One, they're a fun, informative way for you to be creative, mindful, and notice more about the world around you. For more information, have a look at our website, at canalrivertrust.org.uk/explorers. You can also buy the book in the Canal & River Trust's shops, and online at www.appreciatingpeople.co.uk.

Can you build a narrow boat cabin at home or in your classroom? You will need...

- a clear wall and floor space
- masking tape
- art and craft materials
  (paper, scissors, measuring tape and pens)
- rope, poles and stands
  (or a couple of chairs, if you want to do the den version)
- permission to use masking tape on the walls and floor

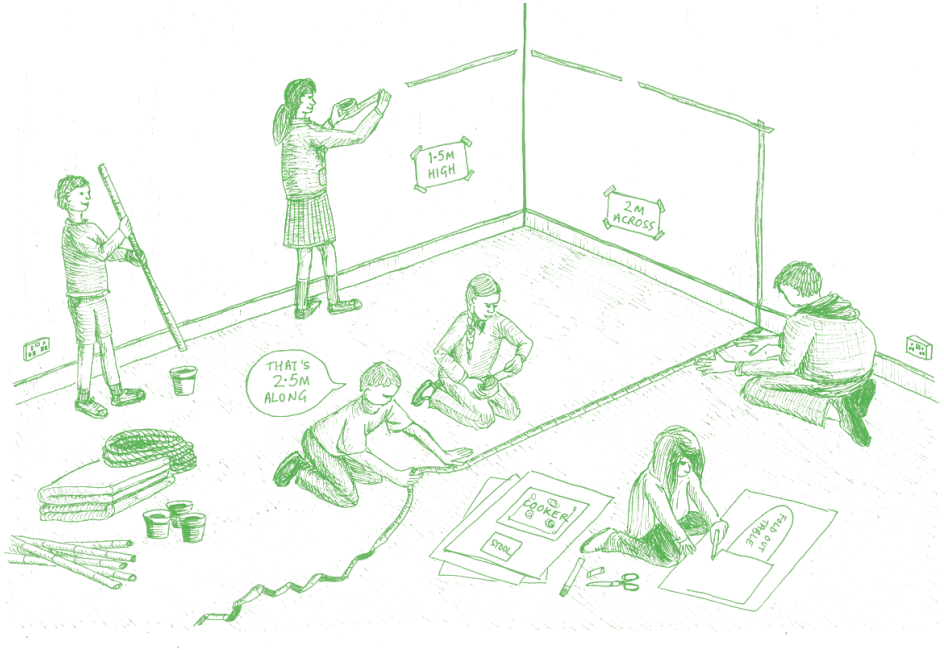
Mark out the width, height and length of the cabin with masking tape on your clear wall and floor space. To add the feeling of roof and walls use ropes, poles and sheets, or a couple of chairs with the sheet draped over. (If you use poles, you'll need to work out how to get them to stand up...)

width = 2 metres; length = 2.5 metres; height = 1.5 metres

Do some research to find out what the inside of the cabin would look like. Use the boat cabin images for advice. Can you reconstruct the inside of the cabin? How many people can you fit inside your cabin? Could you live in this space with your family?

Helpful hints

- Use your arts and crafts materials to fill in spaces for the bed/seating, fold down table and storage. You will find even less space available for crew!
- If you visit one of the waterways museums you can measure the items in the cabin, then recreate them using paper cut-outs.



- Having built your boat cabin, how many people you can fit in?

.....

.....

- How tough would it be to live and sleep in this space and could you do it?

.....

.....

- What do you admire about these canal people?

.....

.....

Canal & River Trust
Appreciating People
heritage lottery fund LOTTERY FUNDED
NATIONAL WATERWAYS MUSEUM GLOUCESTER
NATIONAL WATERWAYS MUSEUM ELLESMERE PORT