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| **Workshop : KS1 Ships and Shipbuilding** **National Curriculum Links**KS1 Science: Working scientifically- observing closely, performing simple tests, identifying and classifying, gathering and recording data. Everyday Materials- Identify and name everyday materials, Compare and group materials- float and sinkKS1 History: Investigating Local HistoryKS1 DT: Make- Select from and use materials according to function, evaluate their ideas and consider improvements.  |
| **Learning objectives** | **Session structure** | **Assessment for learning** |
| **To investigate objects used on ships****To explore the different jobs ships are designed for****To explore the ships on display in the museum** **To investigate which materials float and which sink****To select the best materials to build a build****To work as a team to build a boat to transport passengers safely**  | **Introduction**We will explore objects that you might see on a ship using handling collection. As a class we will discuss the different jobs that ships are designed for and the different way that they can move.In small groups students will explore the Story of the Tyne gallery to discover a range of different ships on display and answer some questions about them. **Session activities**In the classroom students will work in small groups to investigate floating and sinking. They will make predictions before testing the materials and recording the results.Using their knowledge from the experiment the students will select the materials they think will make the best boat in small groups. They will work together to build a boat to transport passengers safely across the sea. **Plenary**We will test the boats in the water tank and discuss as a group which designs, we thought were most successful and why.  | Children will explore themes through class and group experiments, we will ask questions throughout to check understanding.Children will have opportunities to respond and give feedback throughout the session. There will be opportunities for Q&A at the end of the session.  |
| **Before your visit** | **After your visit** | **Key vocabulary** |
| Make a free teacher pre visit to familiarise yourself with the site- contact learning@discoverymuseum.org.uk Explore the museum virtually using goggle institute:<https://artsandculture.google.com/partner/discovery-museum> Borrow a of Delight[Loans boxes | North East Museums](https://twamschools.org.uk/boxes-of-delight) | * Explore our ships and shipbuilding resources <https://discoverymuseum.org.uk/week-8-ships-and-shipbuilding>
* Explore the museum to see how many ships you can find
 | Float, sink, anchor, buoy, life jacket, rivet, compass, propeller, sail, oar, shipyard |