

Ships and Shipbuilding

Turbinia Gallery- Ground floor



When was Turbinia first launched into the Tyne?

How fast could Turbinia travel?

How many crew members did Turbinia have? Hint: Look for the Turbinia Gansey (Jumper)



What colour was the original pennant from Turbinia's mast?

How many years did it take for Charles Parsons to perfect Turbinia's design?

Where did he test his models of Turbinia?

Can you sketch some of Charles Parsons Propeller designs?



Enigma- Ground floor

The Enigma machine is a cipher machine that was used during WW2 by the German military to encrypt messages. It turned messages into secret code.

How many combinations can a 3 rotor enigma generate to encode a single line of text?

What is the name of the ship that was instrumental in breaking the enigma code?

Where was the ship built?

What is the name of the canteen assistant that helped to secure the code books from the German U-boat?

1st Floor Balcony

Can you find the painting of the Mauretania?

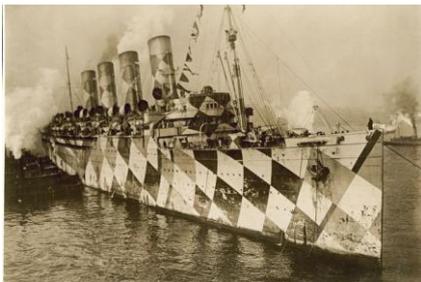
When and where was the Mauretania built?

How much did the anchor weigh? How long was the anchor chain?

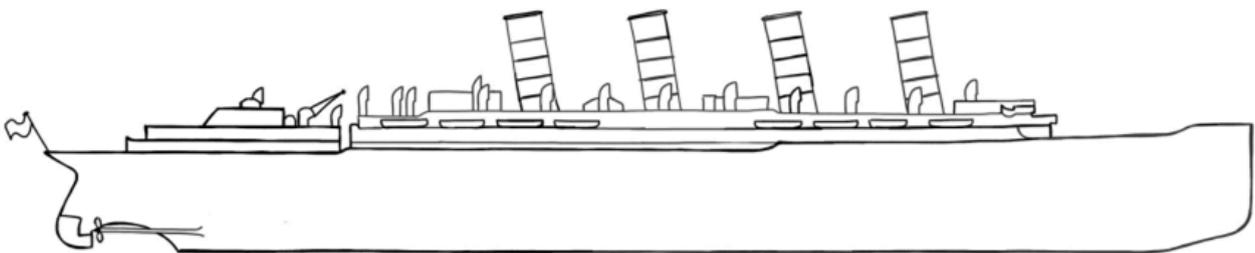
The Mauretania was the fastest ship to cross the Atlantic Ocean from 1907 until when?

Which letter from the Mauretania name plate can you find in the Discovery Museum?

During World War 1 ships were painted in dazzle patterns to confuse the enemy ships and submarines. The bold patterns and shapes would confuse the enemy and make it harder for them to know how fast the ship was traveling and what direction they were moving in.



Can you design a dazzle pattern from the Mauretania?



Working Lives- 1st Floor

Draughtsman draw out ship plans to the tiniest detail. How much would it cost to buy a draughtsman's box in 1916?

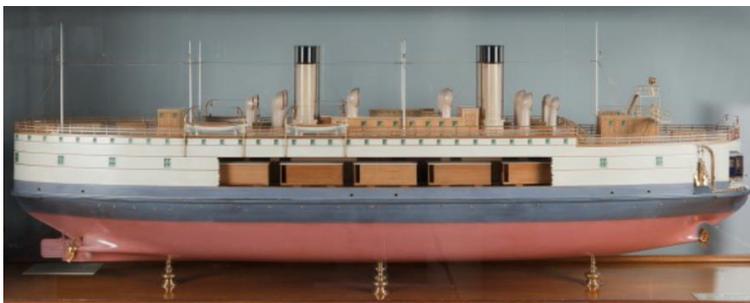
If 1 shilling is the same as 5 pence in today's money how much would it cost to buy a draughtsman's box today?

Tyneside Challenge- 1st Floor

What is a telegraph dial used for?



Can you find the ship **Baikal**?



Why was this ship taken after it had been built?

How long did it take them to construction, dismantle, transport and rebuild again?

What was the ship used for?

Science Maze- 2nd floor

Can you find the big ship propeller in the Science Maze?



What ship did this belong to?

What material has it been made from?

Why was this propeller built?

Can you find the model of the Doxford Engine?



The real Doxford engine was one of the largest engines built on the Tyne. How big was it?
