

Full Steam Ahead - Key Stage 3 Teacher Overview

Use the exclusive schools unlock code (1843SCHOOLS) to open all levels and get unlimited funds.



Science:

Level: MASTER

Challenge: CRUISE CONTROL

Based on passenger diaries, it has been calculated that on its 24th voyage, the SS Great Britain travelled approximately **12,150 nautical miles** from Liverpool, England to Melbourne, Australia, via South Africa (**1.852km = 1 nautical mile**).

This challenge encourages pupils to design a ship to travel from Liverpool to Melbourne as quickly as possible. Can your pupils calculate the speed of their ship in km/hr? Explore the forces acting on their ship, what is needed to get their ship moving, what affects the speed of the ship? Whose ship is the fastest, and why?

