

Royal Academy of Engineering funding is available until 1st March 2022 for schools to take part in this activity

Rocket Rescue - Cranes, Pulleys and Rockets

For KS2 (year 5/6) or KS3 (year 7/8)

Children will:

- Use engineering to better understand migration, global transport and post-colonial world
- Work on the MV Balmoral, an historic passenger-liner in Bristol's Harbour
- Visit and operate Bristol's historic cargo cranes
- Collaborate in teams with real engineers

Online in school option:

- Construction kits delivered to schools
- 'DIY Video Conference kits' are supplied to schools that will enable student teams to work remotely with an engineer
- Set-up meeting with teachers so they can run the activity in school

What happens?

- A team engineering challenge that explores how ropes, pulleys and ballistics were used to save lives at sea
- Teams will build a pneumatic rocket launcher that sends a string to a 'shipwreck'
- They construct a pulley system to send a rescue harness from ship-to-shore to bring passengers and crew to safety
- Teams will operate an historic cargo crane as part of the day
- STEM Ambassadors/Engineers with different jobs will work one to four with students
- Teams will present imagined re-enactments of rescues at sea using historical research, storytelling and drama
- They will gain an appreciation of what pulls and pushes people to migrate and how this shapes our post-colonial world
- Children will have opportunities to talk to people with experiences of migration



To book or find out more contact hugh@myfuturemychoice.co.uk