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All activities and resources have been designed to compliment primary curriculum objectives.

Activity: Understanding the engine room– the Hornsby Ackroyd oil engine

UKS2 History

N.C. Objective: Pupils should be taught to:

- Study an aspect of history that is significant in the locality
- Construct informed responses that involve thoughtful selection and organisation of relevant historical information
- Understand how our knowledge of the past is constructed from a range of sources



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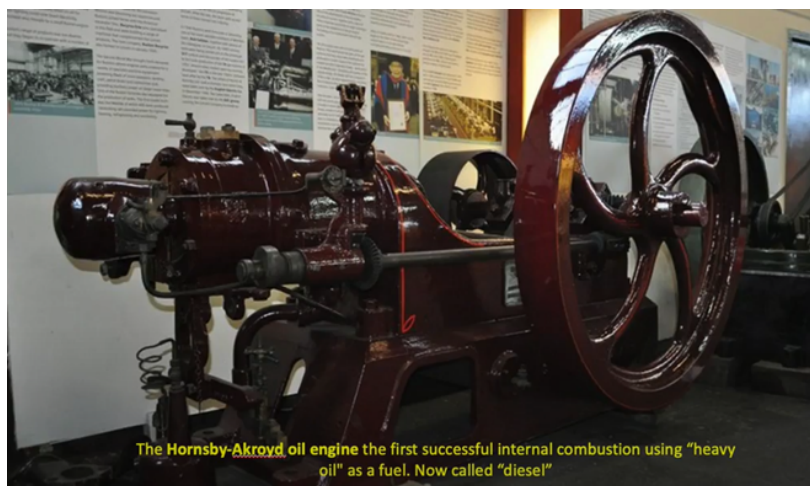
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Activity

In groups of 3-4, research the Hornsby-Ackroyd engine using the following web links:

- https://en.wikipedia.org/wiki/Hornsby-Akroyd_oil_engine
- <https://collection.sciencemuseumgroup.org.uk/objects/co62101/hornsby-akroyd-oil-engine-1893-oil-engines>
- <https://www.gasenginemagazine.com/company-history/hornsby-akroyd-vaporizing-oil-engine/>
- <https://www.youtube.com/watch?v=gjNkANb6p54>

Think about other boat engines that you could compare the Hornsby-Ackroyd engine to, e.g. the Titanic engine, the engine in a car, ferry or the engine on a U-Boat.



The Hornsby-Akroyd oil engine the first successful internal combustion using "heavy oil" as a fuel. Now called "diesel"



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Present your information as a Top Trumps game:



THE HORNSBY ACKROYD ENGINE

ENGINE CATEGORY

HEAT ENGINE (10 PTS)

FUEL USED

KEROSENE

MATERIALS

BRASS, CAST IRON, COPPER,
LEATHER, STEEL

LONGEST LENGTH

2010

NUMBER PRODUCED AT HEIGHT
OF FAME

32,417

KEY
POINTS FOR FUELS USE

STEAM
KEROSENE
PETROLEUM

20PTS
15PTS
10PTS