@electrifyingwmn
#electrifyingwomen









https://electrifyingwomen.org

Electrifying Women: Understanding the Long History of Women in Engineering

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What do engineers actually do?

• Suggestions?

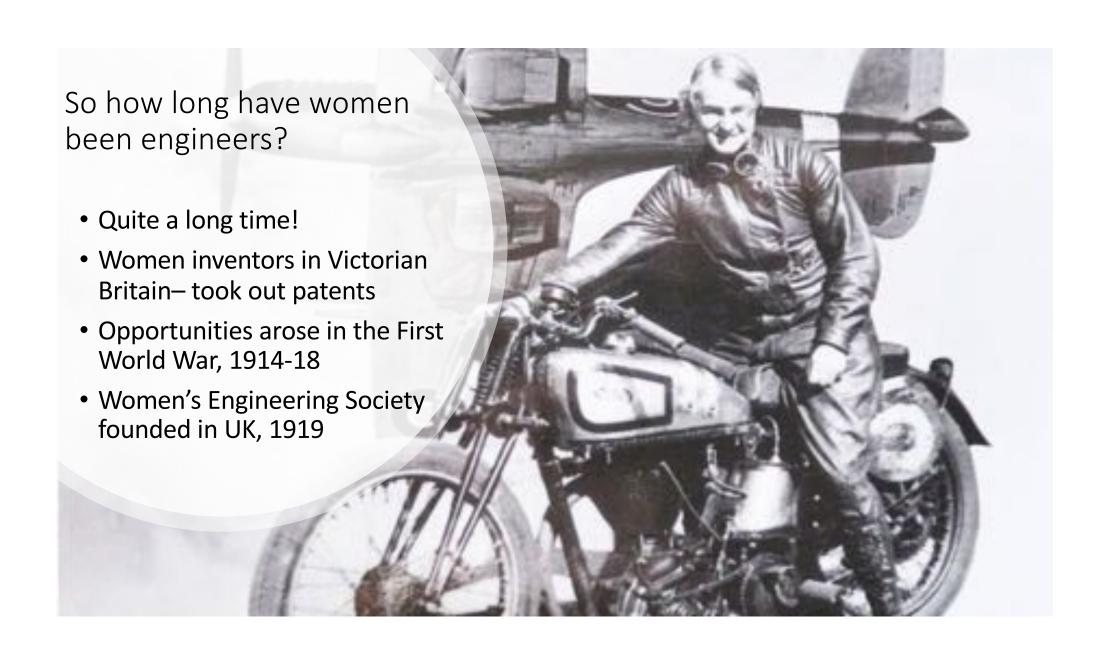
What do engineers actually do?

- Plan
- Design
- Make
- Improve

Will you be an engineer?

- Only 12% of UK engineers are women
- Lower percentage than many countries!
- Should that put you off engineering?





Which of these were engineers?









Women engineers 100 years ago



Gertrude Entwisle: Mechanical engineer



Amy Johnson: Aeroplane pilot & ground engineer



Beatrice Shilling: Mechanical and electrical engineer



Verena Holmes: Mechanical engineer

1. Laura Annie Willson

- Born in Halifax in 1877. Child textile factory worker
 later a suffragette.
- Married factory owner & became building engineer
- Helped found Women's Engineering Society in 1919





2.Hilda Lyon

- Born in Market Weighton, East Yorkshire in 1896
- Mathematics student Cambridge University
- Worked on designing airships after World War 1
- Her 'Lyon shape' design applied to US submarines





3. Amy Johnson

- Born in Hull in 1903, University of Sheffield degree
- First woman to fly solo from UK to Australia
- Expert pilot employed by RAF early in World War 2





Activity

- Groups of 4-5 students
- Look at the pictures in your group
- Go back in time and imagine you are one of these:
 - Laura Annie Willson
 - Hilda Lyon
 - Amy Johnson

We have some questions – answer them in character.

Use your imagination!

Write answers on post-it notes and stick them on the pictures.

Questions

- Why do you want to be an engineer?
- What skills do you need for engineering?
- What would you ideally like to invent or make?
- What challenges are there? How do you deal with them?
- How would you persuade a friend to be an engineer?

Share your responses with your group!



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