Learning @ Home
Lockdown Literacy

KS2

Theme of the Week – Innovation

Activity 1 - Think

The aeroplane in the picture above is called a Harrier. Its innovative design means it can hover (a bit like a helicopter) and it can fly backwards. It can also take off and land vertically, which gives it the nickname, Harrier ‘Jump Jet’.

• Why might it be useful to be able to take off and land vertically?
• When might it be useful to hover or fly backwards?

Watch this video to see a Harrier in action
https://www.youtube.com/watch?v= p_90T-aYO0
Performing these amazing flying tricks uses more fuel than flying forwards. This means the Harrier is **not** environmentally friendly.

- Think about ways transport could be made more eco-friendly
- How could you make your journeys eco-friendly?

### Activity 2 – Explore

Use the link below to research alternative fuels that could be used to power aeroplanes or other types of transport.


Or

Find out about one or two of these inventors and their innovative inventions:

- Frank Whittle
- Mária Telkes
- James Dyson
- Eldorado Jones
Activity 3 - Create

Choose one of the inventions you have researched and imagine you are the person who invented it.

Write an advert or a Dragon's Den style pitch to persuade someone to invest in it.

Activity 4 - Do

Take part in our Green Aviation Challenge for British Science Week 2021 and tell us how you would change the world.