



KS2

Learning @ Home Lockdown Literacy

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 to hover or fly backwards?



Watch this video to see a Harrier in action

https://www.youtube.com/watch?v=p_90T-aYO0



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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.

<https://www.gov.uk/government/news/sustainable-fuels-to-power-raf-jets>

Or

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

- Frank Whittle
- Mária Telkes
- James Dyson
- Eldorado Jones



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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.

<https://mk0rafmuseumxfbc8mu.kinstacdn.com/app/uploads/2021/02/Green-Aviation-Challenge-British-Science-Week-2021.pdf>



Well done!

