

Classroom Activities: Project O.C.N

When you follow the link to the Educational Passages website, you will find lots of tools that you can use to track the Lancer and analyse the data its collecting. This is a short guide on how to use these tools effectively in the classroom.



1. Watch videos recorded live in Tenerife around the launch of the Lancer!

These will give your pupils some context on the Lancer, the story behind it, and the importance of its journey across the Atlantic. You can also read the full story on this website, should you wish to know more!

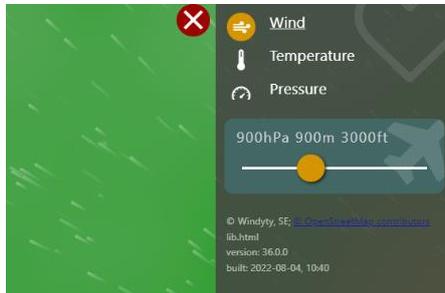
2. Track the location of the Lancer using a live map

This is a great opportunity for students to improve their geographical knowledge. You can:



- Identify countries and cities surrounding the Atlantic Ocean.
- Track the Lancer’s position by plotting its route on your own class map, using the coordinates that are updated daily.
- Compare its voyage to its original journey across the Atlantic from Waterford, to Galway, and finally, Plymouth!

3. Analyse data collected by the Lancer



Use the live wind and temperature map to:

- Forecast when and where the Lancer will land.
- Gain an understanding of the trade winds and how they drive Ocean currents.
- Identify sea surface temperature and use this as a starting point for a discussion around climate change.

Use the 'Path Analysis' tool to:

- Click on the picture of the Lancer and discover wind speed, wind direction, and wave height.
- Use the calendar at the bottom of the page to compare how these have changed since it was launched.
- Use this data to plot graphs, calculate averages, and make predictions.



4. Look at photos taken by the Lancer on its journey!

You might like to simply get a glimpse of the middle of the Atlantic Ocean. Or, if you're feeling creative, why not use these photos as inspiration for a poem, story, or piece of artwork?

*If you would like to share any of your students' work with us, we would love to see it!
Please email us at learning@oceanconservationtrust.org*