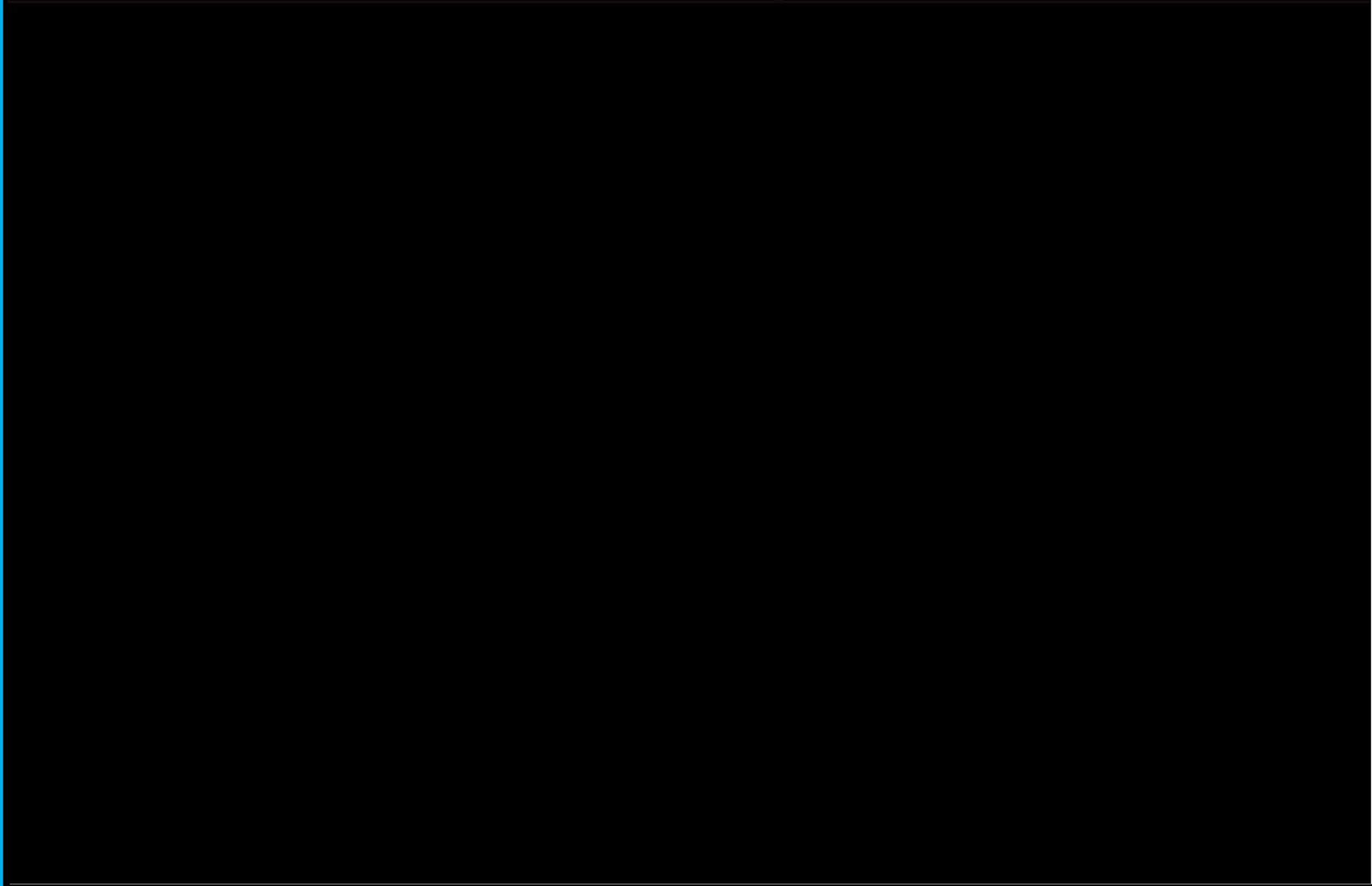


# ICT Graphics Project





# The Project



# Forewind



- Forewind is a consortium comprising four leading European energy companies: RWE, SSE, Statkraft, Statoil.
- Forewind is the development partner for Dogger Bank: it exists to deliver consent for offshore wind farm projects on Dogger Bank.
- Our target is to deliver a minimum of 9GW of capacity as agreed with the Crown Estate

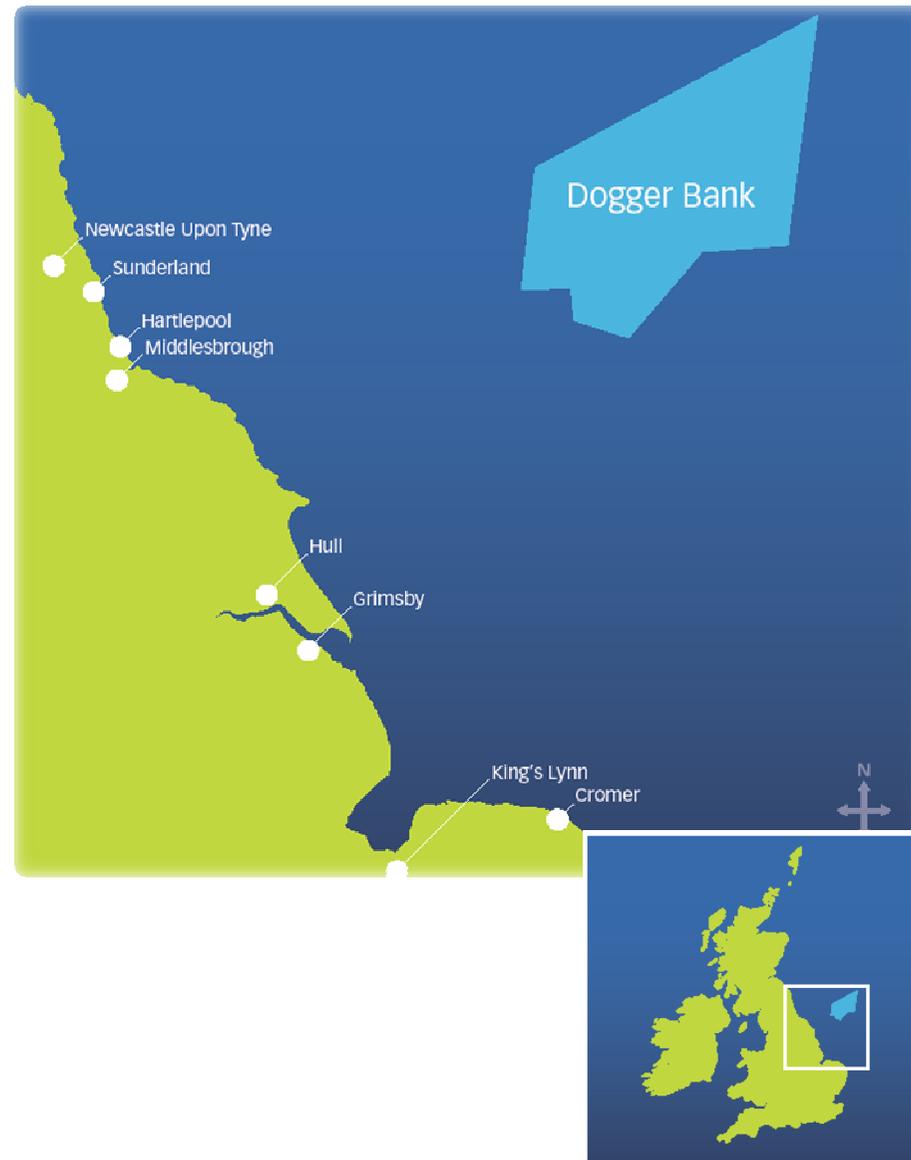


***Financially-viable, buildable, and safe offshore wind farm projects on Dogger Bank.***

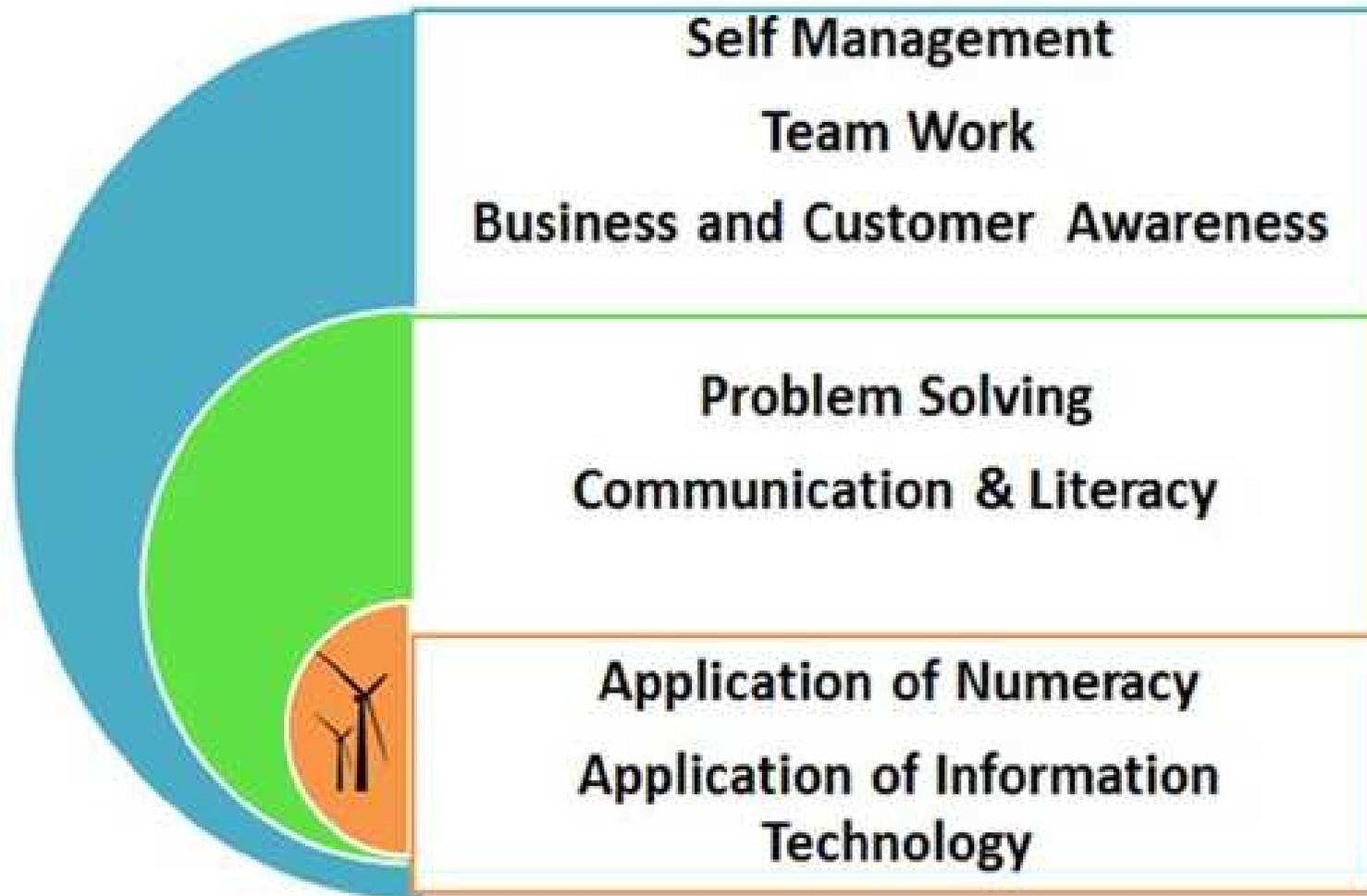
## Dogger Bank – key facts



- Capacity: Agreed target 9 GW, with the potential for c.13 GW. Equivalent to 10% of UK demand.
- Zone area: 8660km<sup>2</sup> ; equivalent to size of North Yorkshire.
- Distance: 125-290 km from shore.
- Depth: 18-63 m; c.4 GW in <30m water depth, c.8 GW in <35m water depth; shallow compared with other Round 3 zones.
- Wind: High wind speeds of >10 m/s average wind speed across the zone.
- History: A "dogger" was a type of Dutch fishing boat that commonly worked in the North Sea in the seventeenth century.



# Employability



# Scenario



- You will be designing a map of new redeveloped port of Hull in Fireworks software.
- You will then producing a document to be handed out to businesses and people in Hull about the new developments.
- This document / presentation will include a picture of the new map and information about careers in the Off Shore Wind industry.



**Employability Skill**  
**Business & Customer Awareness**



# Activity



- In pairs, discuss and write down what you would expect to see on the new map consider:
  - Transport
  - Landmark
  - Information
  - Roads



**Employability Skill  
Team Work**



# Greenporthull



# Greenporthull

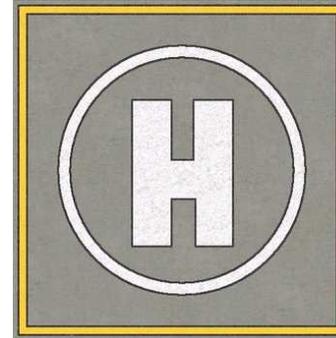
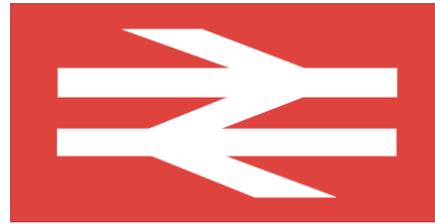


## Enterprise Zones Map

1. Green Port Hull (78.97 ha approx) - Enterprise Zone Site
2. Queen Elizabeth Dock (29.64 ha approx) - Enterprise Zone Site
3. Queen Elizabeth Dock (a) (20.33 ha approx) - Enterprise Zone Site
4. Paull (80 ha approx) - Reserved Enterprise Zone Site



**This lesson design the following:**



**Employability Skill  
Application of IT**







## Student tick list of Vector Skills



- Open new document
- Set canvas size and colour
- Insert basic shapes
- Resize Shapes
- Use colour fill
- Use stroke tool
- Change order of layers
- Use of pen tool
- Use of grouping
- Save work appropriately



## Lesson 2 - Starter

- Try to identify which tools have been used to make the following items in Fireworks

# Your turn



- It's much easier to design the map by breaking it down into its individual parts. It is therefore an easier task to design each item you need for your map and save them as separate files at first.
- Your task this lesson is to design at least 4 items your map will need. Create a new canvas for each item and save each with an appropriate name
- Consider the items that you identified at the start of the last lesson:
  - Helipad
  - Road
  - Rail
  - Bus Routes
  - Landmarks



## Review

- What have you designed?
- What tools did you use?
- What additional tools did you discover for yourself?



# Lesson 3 starter

# Activity 1



- In your books, sketch out in pencil the basic layout for your map, showing how many desks, computers, etc





## **Activity 2**

- Log on and design any additional features for the you map you feel necessary.



# Review

- Assess each other's work in pairs
- Use the tools ticklist for the unit and hand it to your partner
- With your partners ticklist to hand, ask them to show you where they have used the tools they have ticked
- Initial the box against the tool to confirm it has been used correctly
- Give your partner his ticklist back when you have finished



## Lesson 4 - Starter

- Look at your ticklist and identify any tools you have not used so far
- Which do you know how to use that you could use this lesson?
- Are there any that you do not know how to use?

# Design



- Your task Design a document or presentation
- You need to include information on Hull and Renewables:
  - Offshore wind energy
    - Careers Information – Job Title, Pay and conditions
    - Map of Hull
    - Information about Hull



**Employability Skill**  
**Business & Customer Awareness**



Include your finished Map of Hull.



# Map Design

- Continue to design your map in the software given



## Lesson 5 - Starter

- Get your tools ticklist out
- Circle the tools that you have not yet used and which you think you could use today to improve your work
- Remember you need to have used at least 8 different tools
- Remember, you can increase your grade by using more advanced techniques appropriately in your work



## Main

- Finish your classroom designs today
- Put your name on it
- Save it
- Print it out
- Get someone to peer initial your ticklist