

SUSTAINABLE TERMINAL CHALLENGE

Heathrow
World of Work



Age 7 – 11 years

Skills needed: Creative thinking, problem

Hannah

Sustainability Manager



Can you help me design a sustainable terminal?

Task A

If you were an Airport Designer, what would your sustainable Terminal look like? Your task is to create your own Terminal design, packed with **sustainable** ideas. Be as creative as you like, the sky is the limit!



When Heathrow Airport opened its newest terminal, terminal 2, it was important to make the building as sustainable as possible.

Factors taken into account include:

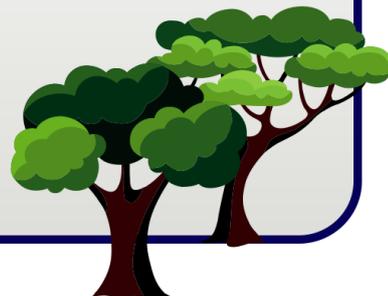
- How the terminal is powered: Lighting, electricity, heating
- How passengers and staff get to and from the terminal
- The materials used in the terminal building
- Items that are available to buy in the terminal



Tip

Sustainability is about using and **reusing** materials and resources we find in the world around us. The less rubbish we create the better! Can you include some items you already have in your house into your terminal design?

You could use an eggbox carton, glitter, bottle tops, tin foil



#HeathrowHomeLearning

Task B

Once you have designed your own terminal, look at the table below to identify how Heathrow has become more sustainable. Your task is to then:

- Add any of ideas you like to your own drawing
- Are any of your ideas similar to the designers?
- Write down a list of your 3 top ideas you think Heathrow should use



In what areas is Heathrow being more sustainable?	Explanation
Power and energy sources	<p>LED lightbulbs are used in Terminal 2. These use less energy and are more efficient than traditional lightbulbs. 100,000 have been used!</p> <p>Terminal 2 is heated by woodchips.</p> <p>On the roof of Terminal 2, there are 124 solar panels. They are a renewable power source.</p>
Transport	<p>Driverless electric PODs are used to connect the car parks to Terminal 5.</p> <p>They create zero emissions – which means no waste products that pollute the environment are released.</p> <p>Public transport links have been built into all the terminals. We want as many people to take public transport – buses, trains and the underground as possible.</p> <p>All Heathrow colleagues that drive cars around the Airport use company electric cars, which are powered by a renewable energy source.</p>
Facilities	<p>There are water fountains in every terminal, encouraging passengers to use refillable bottles, rather than buying single use plastic bottles.</p> <p>We are encouraging the use of reusable bags by selling the Heathrow and Kew Gardens shopping bags. Heathrow partnered with Kew Gardens because of the important work they are doing in protecting rare species of plants.</p>
Food and drink	<p>Heathrow is a 'sustainable fish airport.'</p> <p>All the fish that is served in food restaurants comes from a source that makes sure there will be enough fish in the oceans for future generations.</p>