

Knowledge Organiser

Project: 'Superheroes'

Reception Autumn Term 2

Project Summary

This topic is led by 'Captain Planet' and the ways we can 'save the earth' from environmental damage. We will learn about pollution in different forms and the ways in which we can care for the environment and be active citizens eg. switching off lights, putting litter in bins, turning off taps. We will write letters, sort materials for recycling and consider how superheroes help those in need. There are lots of celebrations to learn about during this topic too!



Enquiry Questions

Question 1

What is Pollution?



Answer:

Pollution is when gases, smoke, objects and chemicals are introduced into the environment in large doses that makes it harmful for humans, animals and plants. Some forms of **pollution** can be seen, some are invisible.

Question 2

How can we protect Earth from environmental damage?



Answer

- Put your rubbish in the bin. Sort it and recycle it if possible.
- Save water. Turn off your taps
- Save electricity. Turn off your lights and appliances.
- Walk more to avoid car exhaust gases.
- Use reusable products eg. Plastic bags, water bottles

Question 3

Where does light come from?

Answer

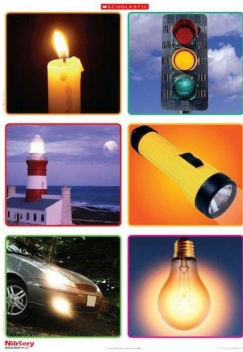
There are many sources of light. Some are natural and some are man-made.

Natural:

Sun
Fire
Stars
Fireflies
lava
Lightning

Man made:

Light bulb
torch
Television
Firework



Answer:

- light is important in lots of celebrations:
- Hindus celebrate Diwali – the festival of lights
- Christians use light for the Christingle and during advent to represent Christ's light
- Hanukkah is the Jewish Festival of Lights
- We have candles on our birthday cakes and light fireworks for celebrations

Question 4

How is light used in special celebrations?

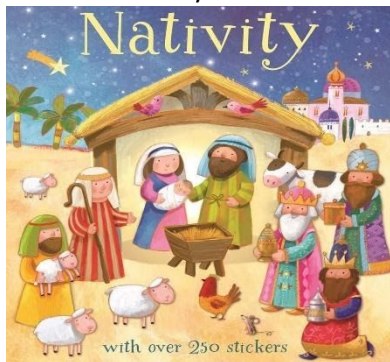


Long ago, about 2000 years, when King Herod ruled Judea (now part of Israel), God sent the angel Gabriel to a young woman who lived in the northern town of Nazareth. The girl's name was Mary and she was engaged to marry Joseph...

https://www.whychristmas.com/story/the_christmas_story.shtml

Question 5

What is the story of the first Christmas?



Key Vocabulary

Pollution, environment, waste, rubbish, litter, recycling, planet, damage, care, nature, oil slicks, cars and gases, deforestation, reusing, paper, saving, electricity, conservation, collaboration

light, dark, sun, planet, rays, night and day, reflection, electricity, fire, Source, man-made, artificial
Advent, Chanukah, Diwali, Christingle, candles, birthday cakes, candles
Christmas, Jesus, Mary, Joseph, traditions, Inn, Shepherds, gifts, wise men, celebration

Useful websites:

https://www.whychristmas.com/story/the_christmas_story.shtml
<https://www.dkfindout.com/uk/explore/learn-all-about-our-world-for-earth-day/>
<https://kids.nationalgeographic.com/explore/nature/save-the-earth-hub/>
<https://www.thehealthy.com/family/childrens-health/kids-save-planet-in-minutes/>
<https://www.dkfindout.com/uk/science/light/>
<https://www.dkfindout.com/uk/more-find-out/festivals-and-holidays/>

