

Knowledge Organiser

Project: 'Transport'

Reception SPRING TERM 2

Project Summary

This topic focuses on the wide range of transportation vehicles and how they have changed from past to present. We will explore, compare, draw, design and make vehicles AND bring it all to life with our trip to Duxford air museum.



Enquiry Questions

Question 1

Do you know any different types of transport?

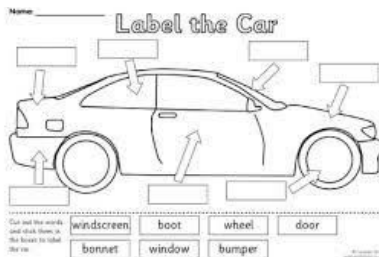


Answer:

- cars
- vans
- lorries
- construction vehicles
- planes
- trains
- trams
- helicopters
- boats
- submarines
- tractors and farm vehicles
- bicycles

Question 2

What are the features and purposes of different vehicles?



Answer

- Different types of transport are used for moving people and objects.
- Vehicles use roads, rail, water or the air
- Vehicles have wheels, wings, rotor blades or caterpillar tracks.
- Vehicles for public transport will have space for many passengers

Question 3

How have trains, cars and planes changed from the past, to today?



Answer

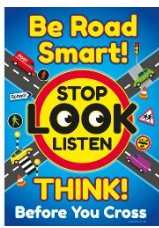
- Cars and planes were made of wood in the past and metal/other materials today
- Trains were powered by steam engines, now they are electric or diesel
- Cars started as horse drawn carts or carriages, before the invention of the motor. Now you can get motor and electric cars.

Question 4

How do we keep safe on the roads?

Answer

- We use STOP LOOK and LISTEN before crossing the road
- We use the highway code and Zebra and pelican crossings, traffic lights and pathways to keep us safe
- We hold adults hands, whenever possible

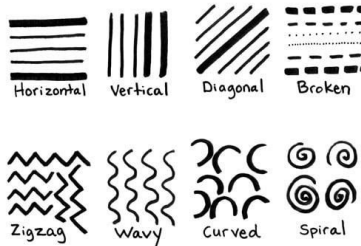


Question 5
How do artists use 'line' to create effects?



Answer

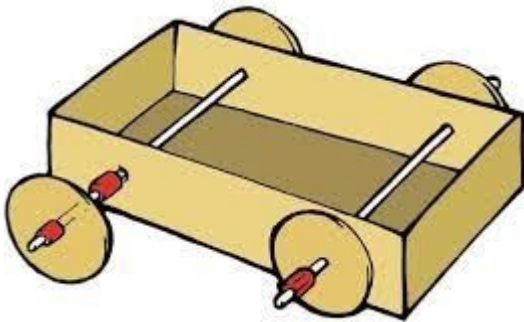
- Joan Miro uses line and to create simple pictures and paintings, that represent different things
- There are lots of different types of line: straight, wavy, curved, zigzag, thick and thin. Pencils can be used to create these lines when drawing from observation.



Answer

- Wheeled vehicles need wheels, axles and a chassis
- The wheels need to be free to move on the axle

Question 6
How are wheeled vehicles made?



Key Vocabulary

trains, aeroplanes, ships, cars, buses, bikes, motorbikes, barges, hot air balloon, hovercraft, wheels, rotor blades, helicopter, sea, canal, rail tracks, roads, airport, port, dock

steam, electric, rail tracks, coal, drivers, signals, deliveries, goods, stations, level crossings, underground/tube, safety, tunnel, engine, passenger carriages

wheels, axles, chassis

cars, wheels, steering wheel, windows, windscreen, windscreen wipers, exhaust pipe, engine, horse and cart, wind up motors

flight, wings, nose and tail, propeller, cockpit, landing wheels, rudder, engine

STOP, LOOK, LISTEN! Zebra crossings, pelican crossings, red, amber, green, push buttons, traffic lights, an invitation to cross, Highway Code, holding hands

Useful websites:

<https://www.dkfindout.com/uk/transport/>

<https://kids.kiddle.co/Transport>

<https://www.bbc.co.uk/bitesize/topics/zs9k7ty/resources/1>

<https://www.ltmuseum.co.uk/collections/collections-online/vehicles>