



Science Planning with Sustainable Travel - Links for Year 1 and 2

Seasonal Changes – How do changes in the weather affect the way we travel?

Objectives:	<ul style="list-style-type: none"> • Observe changes across the four seasons • Observe and describe weather associated with the seasons and how day length varies
Success Criteria:	<ul style="list-style-type: none"> • Use of key vocabulary: Spring, Summer, Autumn, Winter • Description of how our travelling changes in each season • Knowledge of what we need to do to keep safe in each season due to different types of weather
<p>Teacher Input with key questions: Explain that today's lesson is about keeping safe in all types of weather when we are out and about and that they are going to see a clip about the four seasons – revise what they are. http://www.bbc.co.uk/education/clips/z7y4wmn Play the clip – NB there is no narration so the children have to really focus. What did they notice about the weather? Were there any weather types that happen in more than one season? What is their favourite weather? What happens to what we wear in different weather? http://resources.woodlands-junior.kent.sch.uk/time/seasons.htm Go through the explanation of the seasons.</p> <p>Main Lesson Focus on travelling - How does the weather change the way we travel? http://www.bbc.co.uk/education/clips/zdv4wmn This shows extreme weather – so be careful to stress that this is not the norm but that the weather is important for how we travel. What can help us plan our travel – weather forecast?</p> <p>What should we do to keep safe in all types of weather? EMPHASISE THAT THESE ARE ALWAYS IMPORTANT BUT BECOME INCREASINGLY SO IN CERTAIN TYPES OF WEATHER. Look carefully. Follow instructions. Be seen.</p> <p>When does being seen become even more important? How can we do this? When does taking care on the roads and pavements become even more important? When does stopping in plenty of time become even more important?</p> <p>Activities - three activities to work through in a rotation 1) Road safety poster to mark with the features that keep us safe. 2) A tally chart to see how people like to travel in each season 3) http://think.direct.gov.uk/education/early-years-and-primary/docs/lower-primary/poster_be_seen_country.pdf CT led – Looking the two pictures, what vehicles can they see? What time of year might it be? Children to then design own poster to be seen and bright.</p> <p>Follow up / extension – links to lesson on Materials – design a cycle helmet, shorts and jacket thinking about the properties that they will need for the different seasons that they might be used in.</p>	
Assessment:	<ul style="list-style-type: none"> • Can use key vocabulary • Can describe how our ways of travelling change in each season • Can use tally charts to collect data • Can say what we need to do to keep safe in each season due to different types of weather • Can describe in simple terms why the day varies in each season
Resources:	<ul style="list-style-type: none"> • Tally charts • Posters printed from http://think.direct.gov.uk/education/early-years-and-primary/docs/traffic_poster.pdf and http://think.direct.gov.uk/education/early-years-and-primary/docs/lower-primary/poster_be_seen_country.pdf

Activities
http://think.direct.gov.uk/education/early-years-and-primary/docs/traffic_poster.pdf

Discuss what type of weather it is - glue smaller version in book and mark on all the things that are there to keep them safe.

2) A tally chart to see how people like to travel in each season

3)
http://think.direct.gov.uk/education/early-years-and-primary/docs/lower-primary/poster_be_seen_country.pdf
CT led – looking the two pictures – what vehicles can they see? What time of year might it be?
Chn to then design own poster to be seen and bright

Plenary
Mini plenary:
What are the main safety features?

Mini plenary:
What do we notice – what might be the reason for this?

What do we now know about the weather and it's affects on how we travel? What are the important safely factors for each season? In which seasons do we especially have to think about being seen at night?

Tally chart to show how people (in my class) like to travel in each season

Spring 		Frequency
Bike		
Scooter		
Walk		
Train		
Car		
Park & Stride		
Bus/Taxi		
Other		

Summer 		Frequency
Bike		
Scooter		
Walk		
Train		
Car		
Park & Stride		
Bus/Taxi		
Other		

Autumn 		Frequency
Bike		
Scooter		
Walk		
Train		
Car		
Park & Stride		
Bus/Taxi		
Other		

Winter 		Frequency
Bike		
Scooter		
Walk		
Train		
Car		
Park & Stride		
Bus/Taxi		
Other		

The most popular way to travel in each season is:		The least popular way to travel in each season is:	
Spring		Spring	
Summer		Summer	
Autumn		Autumn	
Winter		Winter	

What other questions could you find out the answers to?