

Learning experience and season	
Season: Summer	
Curricular Area- STEM	
CfE Level	
First	
Experiences and Outcomes and associated benchmarks	
E&Os	BMs
SCN 1-12a	Describes how skin, as an organ, provides a barrier to infection and helps to control our temperature.
SOC 1-12a	Contributes to a discussion giving reasoned opinions on how the weather affects life.
Overview of learning experience	
Can you create a painting with sunscreen and discover how sun screen helps our skin?	
Outline of learning	
LI/SC	Resources
LI- We are learning about how sunscreen protects our skin	Sunscreen
SC-	Paint Brush
I can explain what happened in our experiment.	Black Construction Paper (or other dark coloured paper)
I can discuss how sunscreen protects my skin.	
Description of learning experience and assessment opportunities	
This activity does need a dark-coloured piece of paper to be most effective. If you have black construction paper, use that. But blue, purple, brown all work too. Once your class has completed their painting outside, place it in the sun, using rocks at the corners to make sure it doesn't blow away. (Even if it isn't windy out, put a rock or something on a corner, it will come into play later.) Leave your picture in the sun for as long as possible. This is best in direct sunlight for a couple of hours. After you have left your painting out to dry in the sun for a few hours, go and check it. You will see that the paper that was covered in the sunscreen 'paint' is the same colour it used to be, while the rest of the page has faded! You can pick up the rocks you put in the corners to double-check. They physically blocked the sun and kept the colour intact Discuss if this is what sunscreen does to the paper, then what is it doing to our skin? Children to create a piece of work to share their findings and explain why sunscreen is important.	

Consideration of risk

Don't take too long making the paintings outside in the sunlight- make sure children wear hats/sunscreen.

Taking it further – what else could you do?

Link this to:

Health and Wellbeing- looking after our bodies, being healthy and responsible.

Science: Use this to start to consider the skin as a layer of protection/control our temperature in the sunshine.

Social Studies- Look at how climate affects living things