

ADAPTATION & RESILIENCE ACTIVITY

We want you to think about the following series of questions:

1

Hazards: have any of your settings experienced the effects of extreme weather in the past? If so, list aspects of school life that were affected by these hazards. What damages were incurred? If not, what are the potential impacts?

Exposure and vulnerability: do you have any vulnerable staff or students that could be at greater risk? List any important infrastructure that you need to ensure remains operational, or is high cost. (5 mins)

2

Examine the 5 x 5 risk assessment matrix. This has two components, likelihood and consequence. **Likelihood refers to the chance of a hazard** occurring (from rare to almost certain) and the impact of that hazard on your setting (from negligible to catastrophic). The top right of the matrix is characterised as at **extreme risk**, the bottom left **low risk**. (2 mins)

3

Undertake a risk assessment for one of your settings. There are two parts to the simple risk assessment:

- a. Using past experience, place a marker in the square that reflects your assessment of **current risk from high temperatures**.
- b. Using the information on future climate provided for your region, make an assessment of the **possible future likelihood and consequence** under 2°C and 4°C of global warming e.g. think about how the changes in hot days might affect your setting?

Remember that consequence may increase because of other factors e.g. will there be more students in the future, will the school expand, are there any plans for new facilities?

4

Repeat this for flooding from heavy rainfall e.g. how will changes in rainfall affect your setting? To see a map of current risk from surface water flooding you can put in your setting postcode to <https://check-long-term-flood-risk.service.gov.uk/map>. (5 mins)

5

Adaptation is an action or change that seeks to reduce the risks posed by climate changes, or to benefit from any associated opportunities. Using the deck of adaptation options, identify what would be your top 3 priorities in your setting. You can consider costs, feasibility or any barriers to implementation. (5 mins)

		Consequence				
		Negligible 1	Minor 2	Moderate 3	Major 4	Catastrophic 5
Likelihood	5 Almost certain	Moderate	High	Extreme	Extreme	Extreme
	4 Likely	Moderate	High	High	Extreme	Extreme
	3 Possible	Low	Moderate	High	High	Extreme
	2 Unlikely	Low	Moderate	Moderate	High	High
	1 Rare	Low	Low	Low	Moderate	Moderate