



# Flooding KS2 / KS3

This session plan highlights the importance of sustainably managing our natural resources, focusing on water management, specifically the topic of flooding.



Natural Resources Wales' purpose is to pursue sustainable management of natural resources in all of its work. This means looking after air, land, water, wildlife, plants and soil to improve Wales' well-being, and provide a better future for everyone.

## Aim

To raise awareness about the dangers of flood water and ensure that participants know what to do in the event of a flood.

To highlight the impact that flooding can have on different members of a community.

## Duration of session

Up to 2 ½ hours

## Location

Any

## Curriculum area

Geography

PSE

Cornerstones – Disaster Zone

# Session plan

What do learners know about flooding and the factors that contribute to it?  
Discuss the 3 common types of flooding: coastal, river and flash flooding.  
Which would be the most likely to occur in your area?

Find out if you live in an area at risk of flooding.  
<https://naturalresources.wales/our-evidence-and-reports/maps/flood-risk-map/?lang=en>

Use our online map to check river levels near you.  
<http://www.naturalresources.wales/evidence-and-data/maps/check-river-levels/?lang=en>

If you live in an area at risk of flooding find past photos of flooding in your local area to show learners.

Natural Resources Wales often develop flood alleviation schemes in areas where the risk is considered to be high.

Find out who can help.  
<http://naturalresources.wales/media/5589/july-15-flooding-who-can-help-eng.pdf>

Information on recent flood alleviation schemes is available on the Natural Resources Wales website. Examples include:

## Dolgellau

<https://naturalresources.wales/about-us/news-and-events/newsletters/dolgellau-flood-risk-management-scheme/?lang=en>

## Crindau

<https://naturalresources.wales/about-us/our-projects/crindau-flood-risk-management-scheme/?lang=en>

Pick and choose from the following activities to highlight the dangers of flood water and what learners can do to prepare themselves, their homes and help other members of the community.

*All timings are approximate.*

### Supporting information and resources:

- Information sheet: Flooding

## Activity 1 Duration 25mins

### The dangers of flood water

Discuss what 'nasties' might be present in flood water and why they are dangerous.

### Supporting information and resources:

- Information sheet: What's in floodwater?

## Activity 2 Duration 25mins

### How to prepare for a flood

If you live in an area at risk of flooding it is useful to have a flood kit or bag set up and ready to go. During this activity learners identify items that should be included in a flood kit and explain why.

### Supporting information and resources:

- Resource cards: Flood kit
- Information sheet: What goes in your flood kit
- Leaflet: How to prepare for flooding

## Activity 3 Duration 25mins

### Evacuation plan

You have been told that your area is going to flood and you have an hour to evacuate. This is a discussion based activity to consider how to prepare yourself and your home for a flood. Who might you want to contact and what actions could you take to minimise damage?

### Supporting information and resources:

- Leaflet: What to do before, during and after a flood

## Activity 4 Duration 30mins

### Flooding aftermath

Learners identify different members of a community that may be affected by flooding and discuss how they might feel.

### Supporting information and resources:

- Discussion cards: Flooding aftermath

## Activity 5 Duration 20mins

### Impacts of flooding

Learners consider the short and long term effects of flooding and possible solutions.

### Supporting information and resources:

- Discussion cards: Impacts of flooding

## Plenary Duration 10mins

Review and consolidate learning by asking questions on:

- What nasties might be in flood water?
- What important things might you take with you if you have to evacuate your house in the event of a flood?
- What actions could you take to minimise damage?
- Is there anyone you know who may need your help or special consideration?
- How might you feel if your house was flooded?
- What is the main thing to remember if you were caught in a flood? **Stay out of flood water!**