



CSPE Lesson 2: Local Effects of Climate Change – Flooding

Curriculum link

Concepts - Rights and Responsibilities/ Interdependence, Stewardship
Unit 2 Community

Eco Eye film clip and comprehension – Climate change

- Local effects of climate change – Protecting Dublin from flood risks.

(NB Comprehension exercises are provided for each clip in separate PDFs. You should choose the ones you will use with this lesson and print them in advance)

Aim:

- Students will become aware of the local effects of climate change such as flooding. It is important to note that this is only one possible impact of climate change and everyone will not be affected. Areas that were prone to flooding may be flooded more often and some new areas may begin to experience flooding.
- Students will be introduced to the agencies involved in preventing/protecting against floods.
- Students will understand why a multi-agency approach is needed and how it works.

Introducing the topic

- Ask students to answer the following questions in a Place Mat discussion (see end of lesson plan for details) or a Think - Pair - Square - Share activity: Students work individually to think about the questions below and write their answer. They then work in pairs to develop the answer further. Then each pair works with another pair of students to discuss their responses and share their answer with the rest of the class.
- Write down all of the problems that a flood could cause in a city.





- What do you think causes flooding?
- Who is responsible for protecting houses from floods and trying to prevent floods? (e.g. the individual, the local authority, state agencies).

Exploring the topic

Method

- Using the comprehension sheet for Local effects of climate change – Protecting Dublin from flood risks, give individual students one of the tasks 1-7 (these are differentiated so groups can be chosen by the teacher).
- These tasks can be varied depending on the group's size, ability, interest.
- Watch the film clip once or twice and allow students to write their answers.
- Put students who completed the same task together in groups and ask them to present their findings on an A3 Sheet.
- Groups can also research further information in relation to their findings and include this in their presentation to give more information on the topics. For example, group 2 could find out more in relation to the agencies involved and find out if they are working in their locality.
- Students create a classroom wall display to present their findings.

Follow on activities

- Look up <http://www.floodmaps.ie/FAQ.htm> to see a list of flood maps for Ireland, is your locality mentioned? What would you do if your locality was flooded?
- Track/research recent floods – what caused the floods? Could you organise a fundraiser to help communities affected by the floods or organisations helping like the Irish Red Cross?





- Is your community/school/home at risk? Research and write to local TD's or councillors asking them to address the issues you have discovered.
- Organise a mock Council committee on creating a flood plan for your local area, you will need to give roles, hold meetings and create agendas for these meetings.

Place Mat Exercise

- Students work in groups of four
- Provide each group with a large Place Mat (A3 or chart paper) as below

Write individual responses here

Write group response here

- Ask students to think about, then write in their section of the Place Mat, their answer to the question at hand (This may involve ranking criteria or elements of the response in order of importance)
- Students write individual responses outside the centre rectangle
- Students share their answer with the rest of their group



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- Working collaboratively, each group determines a common response
- Students write the group response inside the centre rectangle
- Students look at other groups' Place Mats, return to their own Place Mat, discuss what they saw, and amend their response accordingly
- Group responses can then be discussed as a class

