



## The influence of population and settlement on flooding



**Description:** To consider the influence population and settlement has on the risk and impact of flooding.

**QCA Geography Schemes of Work reference:**

Year 7 Unit 4: Flood disaster – how do people cope?

**National Curriculum Geography reference:**

**QCA ICT Schemes of Work reference:**

Unit 1: Using ICT  
Unit 2: Information and presentation  
Unit 3: Processing text and images

**Learning Objectives:** Pupils should be taught to assess the part areas of high population density and urban settlement play in increasing the likelihood of flooding occurring.

**Suggested activities:**

**Introduction:** Using the Environmental Agency flood plain map for the UK identify areas of high population density in flood risk areas. Mark and identify these areas on the flood risk basemap.

**Main:** Discuss with the children why people live in areas of high risk and why new developments continue to occur in these areas. In what way can settlements contribute to increasing the risk of flooding? In what ways can settlements be protected from flood risks? What advice is given to householders in flood risk areas? Why is it difficult to sell businesses and property in flood risk areas? Who pays for flood damage?

**Resources:**

[http://www.environment-agency.gov.uk/subjects/flood/112766/166688/111650/?lang=\\_e&region=national](http://www.environment-agency.gov.uk/subjects/flood/112766/166688/111650/?lang=_e&region=national) national flood plain map indicative 2000

<http://www.testvalley.gov.uk/testvalley/council.nsf/pages/flooding.html> Test Valley household flood leaflet

<http://www.sln.org.uk/geography/Flood2000.htm> flood events

**Learning outcomes:**

- That there are high population densities in some flood risk areas
- That urbanization can enhance to the risk of flooding
- That flooding devalues property prices
- Using ICT to obtain data

**Extension activities:**

Divide the class into groups. Assign each group a different region of the country, each with a greater or lesser floodplain risk. Ask the children to analyse their region, describe the flood risk and list possible preventative measures. Each group should create a Powerpoint presentation and present their results to the rest of the class.