

| Video summary | Before watching the video | During the video |
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| <p>This short film for secondary schools explores the causes and consequences of coastal flooding through UK case studies.</p> <p>It examines at the impact of coastal flooding on communities and how patterns of flooding are changing over time.</p> | <p>Ask students what flooding is, and why it can happen at the coastline. Discuss with students what they think the impacts of flooding are.</p> <p>Introduce key terms such as:</p> <p>Tidal surge: A rise in sea level caused by strong winds and low atmospheric pressure from storms.</p> <p>Tsunami: Giant, powerful waves caused by tectonic activity.</p> | <p>You may wish to stop at relevant points during this short film to pose questions and check understanding or wait until the end. Useful questions might include:</p> <ul style="list-style-type: none"> • What is flooding? • What is increasing the risk of coastal flooding? • What is a spring tide? • What happened in December 2013? • What is a tsunami? • What happened on Boxing Day 2004? • Is the UK likely to be affected by a tsunami? |
| After watching | | |
| <p>Ask students to pick out five key pieces of information from the clip about coastal flooding. Look at a map of the UK and the fetch of waves that approach the UK coastline. Which areas of the UK do students think are most at risk of coastal flooding.</p> <p>Task students with researching the coastal flooding in December 2013. What were the impacts of flooding, categorise these into social, economic and environmental. How long did it take for conditions to return to 'normal' after the storm surge.</p> <p>Students could also look back further in time to 1953 when the UK experienced its worse coastal flooding.</p> | | |

| Curriculum notes | Where next? | Links |
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| <p><i>This short film is relevant for teaching geography at KS3 in England, Wales and Northern Ireland and 3rd and 4th Level in Scotland.</i></p> <p>This short film helps meet the requirement of the Key Stage 3 national curriculum in geography requirement to develop and understanding of:</p> <ul style="list-style-type: none"> physical geography relating to: geological timescales and plate tectonics; rocks, weathering and soils; weather and climate, including the change in climate from the Ice Age to the present; and glaciation, hydrology and coasts. | <p>It isn't just the UK that experiences coastal flooding. Task students with researching low-lying coastal areas that experience flooding and the impacts that this is having.</p> <p>Examples include: The Maldives, Tuvalu and Bangladesh.</p> <p>Students could use this map as a starting point: https://coastal.climatecentral.org/</p> <p>They could change the parameters based on what they want the map to show.</p> | <p>Coastal management: https://www.bbc.co.uk/bitesize/articles/zhq8kty</p> <p>Vulnerable coastlines: https://www.bbc.co.uk/bitesize/guides/z3qhxfr/revision/4</p> |