

Tropical Cyclones – Overview

Lessons

1. An introduction to tropical cyclones
 2. Where, why and how do tropical cyclones form
 3. How, and why do we track tropical cyclones
 4. Hazards (Harvey, 2017)
 5. Impacts (Irma, 2017; Idai, 2019)
 6. Responses (Haiyan, 2013)
- This 6-unit Scheme of Work (SoW) provides a basic understanding of tropical cyclones using contemporary examples.
 - The SoW can be taught in its entirety and also in 2-lesson sections, lessons 1-2 being suitable for Year 7, 3-4 for Year 8 and 5-6 for Year 9. Content becomes progressively more complex though could still be adapted for other years groups with teacher input.
 - Lessons are structured around a PowerPoint presentation and should facilitate teachers to adapt content to different cohorts/lesson lengths.
 - Lessons contain a variety of content – Teacher/PPT/web links/independent work/group work/ decision making exercises/Q&A etc. – we've tried to avoid death by PowerPoint!
 - Lesson PowerPoints contain notes for the teacher, and indications of handouts required.
 - Handouts, where needed, are will print in mono; resource booklets - intended for reuse – may need to be printed in colour (due to their content).
 - Lessons 4-6 relate to recent case studies. Each emphasises one of hazards/impacts/responses, though also provides sufficient information on the others to create a rounded case study. (In providing three distinct examples in this way, it is hoped that pupils will gain a broader understanding of the hazards and impacts of storms, and of the responses to storms, and that they will consequently find explaining this knowledge in the context of an examination more straightforward).
 - The case studies varied presentation provide opportunities for pupils to practice and develop geographical skills.

Homework

At least one homework task is associated with each section, and an assessment with DME components is included that is suitable for Year 9 but could be modified for Years 7/8 and/or turned into an additional lesson.

Assessment

The included assessment is intended for Year 9 in the expectation that pupils will have been taught all six lessons in the scheme of work (or equivalent).

It could also be used as an additional summative lesson, as a skills task for homework, or as a revision exercise for other years.