

GCSE and A level Assessment Objectives

Summary of each resource

Resource	GCSE	A level	Summary
1	✓		Cause of flooding – Storm Desmond
2	✓		Effects – proportional circles and qualitative analysis
3	✓		Oxford flood alleviation
4	✓	✓	Managing upper basin – Swindale Beck
5	✓	✓	Susdrain
6	✓		GCSE rivers DME
7		✓	Coastal flooding at Chiswell
8	✓	✓	Managed realignment
9		✓	The role of the Environment Agency in coastal management and the development of shoreline management plans

Resource 1

GCSE Assessment Objectives

- AO1 Knowledge of flows and stores in the drainage basin
- AO2 Understanding the connections between hydrological processes, human activity and flood risk

Resource 2

GCSE Assessment Objectives

- AO3 Analysis of qualitative data to reach conclusions about the impacts of flooding
- AO4 Use of proportional circles in cartography

Resource 3

GCSE Assessment Objectives

- AO1 Knowledge of urban land use zoning
- AO2 Understanding hard and soft strategies of flood management
- AO3 Evaluating the advantages and disadvantages of a specific flood alleviation scheme
- AO4 Use of GIS and satellite images as well as photographic evidence in enquiries

Resource 4

GCSE Assessment Objectives

- AO1 Knowledge of flows and stores in the drainage basin
- AO2 Understand the way in which river processes work to create meandering channels
- AO3 Evaluate the environmental and economic benefits of Natural Flood Management (NFM)
- AO4 Use of OS and satellite images as evidence of landform change

A level Assessment Objectives

- AO1 Demonstrate knowledge and understanding of processes within the drainage basin.
- AO2 Evaluate the environmental and economic benefits of Natural Flood Management (NFM).
- AO3 Interpret and analyse evidence about NFM to be able to construct arguments and draw conclusions.

Resource 5

GCSE Assessment Objectives

- AO1 Knowledge of flows and stores in the drainage basin
- AO2 Understand the way in which urbanisation affects movement of water through the drainage basin
- AO3 Evaluate the social, environmental and economic benefits of SuDS

A level Assessment Objectives

- AO1 Demonstrate knowledge and understanding of processes within the drainage basin.
- AO2 Evaluate the social, environmental and economic benefits of SuDS.
- AO3 Interpret and analyse evidence about SuDS to be able to construct arguments and draw conclusions.

Resource 6 – Decision-making exercise

GCSE Assessment Objectives

- AO1 Knowledge of the cause and effect of river floods and the options available to alleviating the threat of such floods.
- AO2 Demonstrate geographical understanding of concepts related to river processes and river management, and also the inter-relationship between these processes and people.
- AO3 Apply knowledge and understanding to interpret, analyse and evaluate geographical information and issues and to make reasoned judgements in relation to river management.
- AO4 Describe and interpret geo-spatial data using a wide range of EA resources (and other sources) presented through interactive maps videos and photographs. Select, adapt and use a variety of skills and techniques to investigate questions and issues and communicate findings.

Resource 7

A level Assessment Objectives

- AO1 Demonstrate knowledge and understanding of a case study of coastal management.
- AO3 Use big data sources to analyse the relationship between wind speed, wind direction, atmospheric pressure and wave height.

Resource 8

GCSE Assessment Objectives

- AO1 Knowledge of one located case study of a coastal management scheme
- AO2 Understanding of coastal processes such as erosion and deposition
- AO3 Evaluation of the effectiveness of managed realignment as a sustainable coastal management strategy

A level Assessment Objectives

- AO1 Demonstrate knowledge and understanding of a case study of coastal management.
- AO2 Evaluate the effectiveness of managed realignment as a sustainable coastal management strategy.
- AO3 Use a variety of quantitative data to construct arguments and draw conclusions when comparing different coastal management strategies.

Resource 9 – Decision-making exercise

A level Assessment Objectives

- AO1 Knowledge and understanding of the options relating to the management of the coast with specific reference to hold the line and managed realignment.
- AO2 Apply knowledge and understanding to interpret, analyse and evaluate the eleven principles which are used to create shoreline management plans.
- AO3 Use a wide range of quantitative and qualitative evidence (EA resources and other sources) to construct arguments and draw conclusions.