GEOGRAPHY – Y10

MAGHULL HIGH SCHOOL – CURRICULUM MAP

HALF TERM 1

TOPIC **Rivers and river management**	**Lesson 1** Flows and stores of water	**Lesson 2** Changes in rivers and their valleys	**Lesson 3** Fluvial (river) processes	**Lesson 4** River erosion landforms	**Lesson 5** River erosion and deposition landforms	**Lesson 6** River landforms on the River Tees
	Success criteria • explain the key stores and flows in the hydrological cycle • understand how drainage basin characteristics affect such flows and stores • understand how geology impacts flows and stores • the impact of water abstraction	**Success criteria** • describe the features of a drainage basin • describe how a river's long profile changes downstream • describe how a river's cross profile changes downstream • describe a river and its valley using information from a photo	**Success criteria** • describe the types and processes of erosion that take place in a river • describe the processes of transportation and deposition that take place in a river • explain how transportation depends on sediment size velocity • describe when and where deposition occurs	**Success criteria** • identify and describe the distinctive river erosion landforms • explain how interlocking spurs, waterfalls and gorges are formed	**Success criteria** • identify and describe river landforms created by the processes of erosion and deposition (meanders and oxbow lakes) • explain the formation of river landforms created by erosion and deposition	**Success criteria** • erosion and deposition landforms on the River Tees • recognise, locate and describe High Force waterfall and explain its formation • draw a labelled sketch from a photo • draw a labelled sketch map from an OS map • find information from an aerial photograph
Assessment / Feedback Opportunities	Exam-style question	Exam-style question	Exam-style question	Exam-style question	Assessment – teacher feedback	Exam-style question
TOPIC **Rivers and river management**	**Lesson 7** Factors increasing flood risk	**Lesson 8** Managing floods - hard engineering	**Lesson 9** Managing floods - soft engineering	**Lesson 10** Managing floods at Banbury	**Lesson 11** Boscastle flood	
	Success criteria • explain the causes of flooding • describe the physical and human factors that increase the risk of flooding • describe and interpret the features of a flood hydrograph • explain the factors that affect the shape of flood hydrograph	**Success criteria** • explain what hard engineering involves • explain the functions of dams and reservoirs, and why their construction can be controversial • describe the ways in which other forms of hard engineering, such as • channel straightening, embankments	**Success criteria** • explain what soft engineering involves • explain how wetlands, floodplain zoning and river restoration can be used to reduce the risk of flooding • explain how the UK prepares for floods, and the levels of flood warning	**Success criteria** • explain why Banbury is at risk from flooding • describe the features of Banbury's flood defence scheme and how they reduce the flood risk for the town • evaluate the economic, social and environmental	**Success criteria** • to investigate the physical and human causes of the Boscastle flood • to evaluate the environmental, social and economic impacts of the flood • to understand the responses to the flood	

	• understand the social, economic and environmental effects of flooding					
Assessment / Feedback Opportunities	Exam-style question	Exam-style question	Exam-style question	Exam style question	Exam style question	