Learning Plan 1A	Subject/Pwnc: Geography: Theme 1	Year/Blwyddyn: 10

The Four Purposes in Humanities:

Ambitious, capable learners, who:
have high standards; seek and enjoy challenge; are knowledgeable and skilful; explain ideas and concepts; can interpret data and apply mathematical concepts.

Enterprising, creative contributors, who:
research and critically evaluate; connect and apply knowledge/skills to generate ideas; think creatively to solve problems; play different roles in teams effectively.

Ethical, informed citizens, who:
find, evaluate and use evidence in forming views; engage with contemporary issues; understand and exercise their rights and responsibilities; consider the impact of their actions; know about their culture, community, society and the world; respect the needs and rights of others; are committed to sustainability.

Healthy, confident individuals, who:
are confident, resilient and empathetic; form relationships based on trust and respect; face and overcome challenge; develop skills and knowledge to manage everyday life.

Knowledge focus/what matters:
The focus of this scheme of work is to develop students' understanding of river systems, processes, and management strategies. Students will explore how rivers shape the landscape through erosion, transportation, and deposition, and how humans interact with these environments through flood management and planning for future change.

Keywords:
Drainage basin, watershed, source, mouth, tributary, confluence, erosion, hydraulic action, abrasion, attrition, solution, transportation, deposition, meander, oxbow lake, floodplain, levee, delta, hydrograph, flood management, hard engineering, soft engineering, sustainability, afforestation, deforestation, infiltration, interception.

Learning objective/key question	What will I know and be able to do? I can…	How will I develop my skills? (Success Criteria)	Homework/Gwaith cartref to support progress
Week 1 L1 – To identify and label the main features of a river's drainage basin using key geographical terms. L2 – To describe how the characteristics of a river and its valley change from source to mouth.	• Identify and define the key features of a river's drainage basin (source, mouth, tributary, confluence, watershed). Label and describe each feature accurately. • Describe and compare how the width, depth, gradient and shape of the river valley change downstream. Identify features found in the upper, middle, and lower courses.	• Use geographical vocabulary to describe river features. Label diagrams correctly with all key terms. Explain the function of each drainage basin feature. • Use comparative language to describe changes along the river's course. Apply key geographical vocabulary accurately. Write a short descriptive paragraph comparing valley changes.	Homework: Write a short paragraph comparing the upper and lower course of a river, including key terms (width, depth, gradient). Set: 3.11.2025 Due:10.11.2025
Week 2 L3 – To explain the processes of river erosion, transportation and deposition through annotated diagrams L4 – To explain how V-shaped valleys and waterfalls are formed using key words and sequential diagrams.	• Define and describe each of the fluvial processes: erosion, transportation, and deposition. • Explain the four types of erosion and transportation using examples. • To understand and describe the processes that create V-shaped valleys and waterfalls. • Explain how erosion and weathering shape the upper-course landscape.	• Use keywords accurately (abrasion, attrition, hydraulic action, solution, traction, saltation, suspension, deposition). Create labelled diagrams. • Write a short paragraph explaining how river energy affects erosion and deposition. • Sequence and annotate stages of valley and waterfall formation correctly. Use geographical vocabulary such as vertical erosion, plunge pool, undercutting, overhang. • Write a 6-mark extended explanation describing how a waterfall forms using correct sequence and key terms.	Homework: Create a revision flashcard for each fluvial process (erosion, transportation, deposition) with a definition and example.

			Set: 10.11.2025 Due: 17.11.2025
Week 3 **L5: Middle Course / L6: Lower Course** L5 – To explain how meanders and ox-bow lakes are formed by erosion and deposition. L6 – To explain how deposition creates landforms in the lower course of a river.	• Describe how water flow and energy create meanders and ox-bow lakes. • Identify where erosion and deposition occur within a meander bend. • Describe and explain how floodplains and levees are formed through repeated flooding and deposition. • To understand how sediment size and energy influence deposition. ADD A COMPARION IN THIS SECTION.	• Annotate diagrams showing levee and floodplain formation. Use key vocabulary (deposition, alluvium, energy, sediment). • Complete a 6-mark extended response explaining levee formation, applying process and energy concepts.	Homework: Draw and label a diagram showing the formation of an ox-bow lake. Add short explanations for each stage. Set:17.11.2025 Due:24.11.2025
Week 4 **L7: Drainage Basin Systems / L8: Flood Causes** L7 – To explain how water moves through the drainage basin system using key processes and diagrams. L8 – To explain how physical and human factors influence flooding within a drainage basin.	• Identify and define the main stores and flows within a drainage basin (e.g. interception, infiltration, throughflow, groundwater flow). • Explain how water moves between stores. • Identify natural (physical) and human causes of river flooding. • Explain how these factors affect infiltration, overland flow, and discharge. COULD DO A COMPARE AND CONTRAST?	• Label and annotate drainage basin diagrams accurately. Use keywords correctly in written and verbal explanations. Apply understanding to photographs and past paper questions. • Categorise flood causes into physical and human factors. Use process terms accurately (infiltration, impermeable, relief, deforestation). • Write a 4-mark structured explanation using connectives and process terminology.	Homework: Complete the 6-mark exam question on levees for homework using the success criteria checklist. Set:24.11.2025 Due:1.12.2025
Week 5 **L9: Hydrographs / L10: Flood Management** L9 – To interpret and construct hydrographs to show how river discharge responds to rainfall. L10 – To evaluate the costs and benefits of hard and soft engineering flood management strategies.	• Identify and describe key features of a hydrograph (lag time, rising limb, peak discharge). • Explain how physical and human factors affect the shape of a hydrograph. • Describe different hard and soft engineering strategies (dams, embankments, afforestation, land-use zoning). Explain advantages and disadvantages of each method.	• Label hydrograph diagrams accurately with all key terms. Interpret data and calculate lag time. • Write a short paragraph explaining how land use affects the hydrograph shape. • Categorise strategies into hard and soft approaches. • Use evidence to evaluate which strategies are most sustainable. • Write a balanced 6-mark extended evaluation comparing hard and soft engineering.	Homework: Create a mini glossary of key drainage basin processes with definitions and examples. Set:1.12.2025 Due:8.12.2025

Week 6 **L11: Flooding in the future / L12: Case Study** L11 – To evaluate how future flooding risks may change and how flood management strategies can adapt. L12 – To apply understanding of flooding through a detailed UK case study.	• Describe how factors such as climate change and population growth may increase flood risk in the future. • Evaluate different stakeholder opinions on how flooding should be managed. • Describe key causes, effects, and responses to a UK flood event (e.g. Somerset Levels). • Evaluate the effectiveness of management strategies used. USED WEHERE?	• Analyse evidence and viewpoints from a case study (Shrewsbury). Use evaluative language to explain advantages and disadvantages of hard and soft management. • Write a 6-mark balanced response evaluating stakeholder opinions. • Identify social, economic, and environmental impacts using case-study data. • Write a 9-mark extended response assessing the effectiveness of flood management strategies.	Homework: Create a revision table showing 3 human and 3 physical flood causes with a short explanation of each. Set:8.12.2025 Due:15.12.2025
Week 7 L13 – To demonstrate understanding of river processes, landforms and management in a written assessment. L14 – To reflect on assessment feedback and improve responses using DIRT (Dedicated Improvement and Reflection Time).	• Apply knowledge of river processes, landforms and flood management strategies to exam-style questions. Use key terminology accurately. • Reflect on assessment outcomes and identify areas for improvement. • Improve exam-style answers using teacher feedback. ADD WAGOLL AND WABOLL	• Independently complete a Theme 1 Rivers assessment under timed conditions. Use PEE structure for extended responses. Identify strengths and areas for improvement. • Respond to feedback by redrafting extended answers using correct structure and key terms. Peer-assess improved answers using mark schemes.	Homework: Complete hydrograph worksheet and identify how land use or slope angle affects lag time. Set:15.12.2025 Due:19.12.2025