SUBJECT: Geography

NESTON HIGH SCHOOL

KS3 Knowledge and key skills

YEAR 10	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
TOPIC	*Rivers*	*Coastal Processes*	*Rural Environments*	*Urban Landscapes*	*Unseen Fieldwork Urban*	*Unseen Fieldwork Rural*
Knowledge	Drainage basin characteristics, Causes of flooding and impacts of flooding on communities.	Coastal processes and change. Students will investigate what factors affect the shape of the coastline. Causes and impacts of coastal flooding on a local and global scale.	Investigating the characteristics of the rural urban fringe. Explaining the challenges of living in the rural environment. Diversification of the rural urban fringe.	Students will learn about the growth of urban environments. Push and pull factors affecting migration rates in urban environments and how globalisation has affected the growth of cities.	Students will learn about the factors affecting urban environments, with a focus on Liverpool. (Local study)	Students will learn about the factors affecting rural environments, with a focus on Snowdonia. (North Wales)
Skills	Hydrography interpretation, OS Map skills and Flood risk map interpretation. Make and interpret cross sections and transects. describe and interpret data presented in a GIS map	Fieldwork skills - interpreting OS Maps, line and bar graphs showing coastal flood changes over time. Describe and interpret data presented in a GIS map. Interpret 4 and 6 figure grid references accurately.	Writing to justify and evaluate.interpret and extract information from different types of graphs and charts to make detailed paragraphs of analysis	Interpret population pyramids, choropleth maps and flow-line maps. Describe relationships in data sets such as: sketch trend lines through scatter plots; draw estimated lines of best fit; make predictions.	Design fieldwork data collection sheets and collect data with an understanding of accuracy. Can understand the importance of sample size and reliability. Demonstrate an understanding of number, area and scale.	Relationships between units - spearmans rank / scale - Km - cm. Demonstrate an understanding of number, area and scale. Can see trends appearing in a range of data sets.
Key Vocab	Rivers, Tributaries, Confluence, Flooding, Mouth, Watershed.	Erosion, Transportation, Deposition, Landforms, Longshore Drift.	Rural, Farming, Urban Fringe	Globalisation, Migration, Urbanisation, Deprivation	Unseen Fieldwork compared to seen	Statistical analysis of data. Evaluating data presentation methods and fieldwork techniques

Key Knowledge Transfer

YEAR 11	SUMMER 2	SUMMER 1	SPRING 2	SPRING 1	AUTUMN 2	AUTUMN 1
TOPIC	*Exams*	*Revision of Unit 1 and 2*	*Review of Unit 3*	*Urbanising World*	*Devlopment Dynamics*	*Hazardous Earth*
Knowledge		Students will use a variety of revision and retrieval methods to build upon their revision. Students will also practise past papers under timed conditions to help prepare for the exam. Students will also have a fieldwork skill refresher so to be able to answer unseen fieldwork questions.	Students will use a variety of revision and retrieval methods to build upon their revision. Students will focus on knowledge of place and space in relation to the Rainforest and Taiga forest. Threats, management and conservation of forests under threat, followed by review of Energy.	Students will learn about the increasing urbanisation of countries. Students will investigate what factors can pull a person to a city location and how this will create challenges in densely populated environments such as Mumbai, India.	Students will learn about development projects from a range of countries such as China's Three Gorges Dam and the political issues linked to development across countries.	Students will learn about the structure of the Earth, location of plate boundaries and the hazards associated with that location. Students investigate the impact of the Haiti and Japanese Earthquakes that tore families apart.
Skills		Review graphical and cartographic skills required for the exam	Review numerical , statistical, skills required for ther exam	Describe relationships in bivariate data: sketch trend lines through scatter plots; draw estimated lines of best fit; make predictions; interpolate and extrapolate trends. Be able to identify weaknesses in selective statistical presentation of data	Interpret population pyramids, choropleth maps and flow-line maps. Interpret and extract information from different types of graphs and charts to followed by detailed paragraphs of analysis	Interpreting OS maps and photos. Understand and correctly use proportion and ratio, magnitude and frequency. Demonstrate an understanding of number, area and scale and the quantitative
Key Vocab		Describe, Explain, Assess, Evaluate	Rostow, Development, Urbanisation, Forests, Taiga, Food chain, Biodiversity	Polar and Ferrel Cell, Typhoon, Hurricane, Flooding	Plate Tectonics, Convergent, Divergent, Conservative, Volcano, Earthquake	Coasts, Rivers, Landforms, Erosion, Urban