KS3 Geography Curriculum Mapping

Year 7 2 hours per 2 week timetable						
Term	**Autumn (1)**	**Autumn (2)**	**Spring (1)**	**Spring (2)**	**Summer (1)**	**Summer (2)**
Topic(s)/ Subjects(s)	Geographical Foundations	Geographical Foundations	Nepal	Nepal	Water	Water
Knowledge and skills (Content)	Knowledge. What is Geography? Types of Geography and topics that are included. UK knowledge - countries, capitals, mountains, rivers, seas, population distribution, climate features. Explaining processes that have led to these features and patterns. Tectonics, weather processes, population dynamics, transport. Origin of the UK and the importance of rocks and geological processes. World features - continents and oceans. Key Regions - Middle East, Africa, Asia- Russia, India, China. Basic GIS using Google Earth. Skills Photo analysis, making links between sources. Use of GIS - searching, functions of basic tools, using an atlas and analysing atlas maps, use of basic mapping skills- direction, latitude, longitude, grid squares.		Knowledge Regional context of Nepal and Asia more widely, climate zones, topography, population distribution, biomes/ecology, countries and seas. Basic economics- economies of Nepal, India and China. Sectors of the economy, development indicators. Urban features- Site and situation of cities e.g. east coasts of China along river, valley floor - Kathmandu. Urban Opportunities and Challenges - Kathmandu. Climate zones and factors affecting. How these influence Nepal's characteristics - farming, population, ecology. Population patterns in Nepal, India and China Biomes/landscapes - contrasting north and south of Nepal and adaptations of plants. Nepal Earthquake- tectonic processes, effects and links to development and wider economic impacts. Skills Map reading, topography, thematic maps. Use of satellite views, extracting information from video sources, cooperative learning, extended writing news article.		Knowledge Water on Earth, principles of the water cycle. Rock cycle and role of water cycle within it (including ice) Weather - evaporation, condensation, precipitation. 3 types of precipitation. Drainage basins features and processes River processes and landforms incl. Weathering. Waterfalls, meanders and oxbow lakes Flooding- causes, effects and management. Incorporate basic GIS task using google earth on Bangladesh and Link rivers and coastal systems. Water Hazards sea level rise, tsunami and hurricanes Humans and water resources- case studies of Ethiopia and China contrasting water management schemes Water Pollution, ocean lessons Skills Analysing atlas maps, line graph analysis (hydrograph), photo analysis, OS map analysis- contours, symbols. GIS drawing tools and internet research. Fieldwork skills - collect data, present results, analyse and draw conclusions.	
Assessment	UK features short test, Geographical foundations examination.		Nepal examination		SAS examination has water questions on it.	
Cross Curricular Links	Origin of the UK - History. Science - rocks and weathering Y8 2nd half. Maths coordinates - Y8 Autumn 2. Y9 Autumn 2.		Science - ecology end of Y9.		Science - Y8 rocks and weathering 2nd half. Energy and Resources Y8 2nd half. Maths- Year 8 Summer 2 data handling.	
SMSC, British Values, Cultural Capital	Understanding features of the UK and our origins as a place. Migration and its influence on population.		Levels of development, the impact on people's standard of living. Cultural features of Nepal's population. Spiritual- learning about surroundings.		Distribution of resources and understanding inequality. Types of aid.	
CEIAG	Cartography, surveyor, landscape architect, transport planner,	Mapping, numeracy, writing to explain, cooperative work, use of ICT, environmental awareness,	Landscape manager, GIS, cartography, social awareness, tourism officer, built environment planner. International aid worker		Water management, river and flood management, meteorology, cartography, GIS,	Fieldwork techniques, Producing and interpreting maps, Research and interpretation of data, including GIS skills
Learning outside the classroom	Research into locations and features not studied in class. Introduction to revision techniques.		Research and writing on Nepal Earthquake. Spelling practice, reading and comprehension task to understand the lives of others. Use of videos to illustrate conditions.		Flood risk fieldwork - assessing flood risk and mitigation in the local area. Making a model of a drainage basin.	
Additional Subject Specific Information						

Year 8 4 hours per 2 week timetable						
Term	**Autumn (1)**	**Autumn (2)**	**Spring (1)**	**Spring (2)**	**Summer (1)**	**Summer (2)**
Topic(s)/ Subjects(s)	Russia	Map Skills - Ordnance Survey maps	Population, Economy and Development		Weather and Climate	Coasts
Knowledge and skills (Content)	Major physical landscape features. Climate zones and the factors affecting them Biomes - boreal forest, tundra) including adaptations and plants and animals and threats from humans, population (pyramids) and migration in Russia, the processes that affect these patterns, linked to urbanisation, Economy of Russia- sectors and major industries, links to politics and corruption. Energy resources (gas) and the impacts on levels of development, basic geopolitics and energy- the reliance of Europe on Russian energy. Introduction to GIS theory. Skills Use of latitude and longitude, analysing climate graphs- line and bar, reading and comprehension, extracting information from videos, cooperative learning, atlas and thematic mapping.	Knowledge of the local area. Symbols - recognise a range of point line and area symbols, Direction - use the 8 point compass, Distance measure distance in straight lines and wiggly routes, Height understand contour patterns - steep, gentle, valleys, 4 and 6 figure grid references. Describing routes using a combination of OS map techniques. Basics of GIS- ArcGIS- searching, using measurement and drawing tools, layers, creating a story map	Key physical and human features of Middle East and Africa. Principles of population- distribution-world, Africa, Middle East regions, History and Geopolitics in the Middle East- Syria and Israel Palestine conflict. UK, Birth rate and death rate and factors that affect these. Population pyramids, migration- push and pull factors. Economic Sectors, how the economy is measured, trade links, principles of globalisation. Features of the UK economy. Causes of inequality in the world- colonialism, slave trade, distribution of resources, environmental determinism. Migration as a consequence of inequality. Syria case study. Economic structure in Nigeria- comparison with UK, links between economy and other nations e.g. Nepal- cement trade, building transport infrastructure- China. Basics of urban growth- how birth rate and death rate differ. Migration to cities, site and situation theory with Lagos as a case study. Reducing the development gap types of aid Case study of Riders for Health. Malaria- Kenya, causes and management. Skills Interpreting population pyramids. Analysing models- demographic transition model. Thematic maps of Africa and Middle East.		Knowledge How are people affected by weather? Measuring the weather- key instruments. Weather fundamentals - water cycle-formation and types of rainfall. Air masses, depressions - How UK location and characteristics create our climate. Microclimates - fieldwork, World climates - factors that affect the climate zones and seasons. Skills Drawing and reading climate graphs. Extracting information from videos, fieldwork skills - collect data, present results, analyse and draw conclusions.	Knowledge Links to water cycle and rock cycle. Coastal processes and landforms- include rock types. Link then to rock types - sedimentary. Coastal erosion and its impacts. Coastal Landforms of erosion and deposition. Management of coasts Coastal hazards Typhoon Haiyan. Japanese tsunami. Skills OS map reading, photo analysis, cooperative learning,
Assessment	Russia examination	OS map examination	Development examination		SAS examination	
Cross Curricular Links	History, politics, economics, Science- Y9 ecology, using resources Y8 2nd half. Maths - data handling Y8 summer 2. Histograms. Bar and line graphs Y8 Spring 1. Pie charts Y7 autumn 2 and summer 1.	Maths coordinates - Y8 Autumn 2. Y9 Autumn 2. Direction - Maths year 8 and Year 10 spring term. Scale- maths - Year 8 Autumn 1 ratio maps, Autumn 1 Y10. ICT use of GIS software.	History, Politics, Maths - population pyramids - GCSE Stats Y10,		Science - climate change across KS3 and 4, Y9 ecology fieldwork skills, Maths - line graphs, histograms Y8 spring 1. Year 8 Summer 2 data handling.	Science - Y8 rocks, erosion and weathering.
SMSC, British Values, Cultural Capital	Moral and ethical elements of energy and resource exploitation. Spiritual- learning about surroundings.	Spiritual Learning about the surrounding world	Spiritual Learning about the surrounding world	Spiritual Learning about the surrounding world. Ethical views on aid, causes of uneven development.	Spiritual Learning about the surrounding world	Spiritual Learning about the surrounding world, moral ethical views on allowing or preventing coastal erosion.
CEIAG	Meteorologist, green jobs, politics/government, international trade, conservation,	Cartographer, GIS operator, Government civil service, flood manager, forestry.	International aid worker, politics/government, international trade, healthcare,	Debate, social awareness	Risk management, meteorologist, scientific research, climate change	Risk management, engineering, landscape management, tourism, conservation.

Learning outside the classroom	Research a plant or animal from tundra or Taiga ecosystem. Comprehension on life in Yakutsk. Knowledge quiz.	Orienteering. Applied map skills tasks.	Comprehension on Nigerian company, understanding lives of others by creating a social media profile of a migrant.		Microclimate fieldwork. Imagine and plan the journey of a drop of water. Comprehension article on depressions. Make a weather instrument.	Revision techniques for SAS exams. Photo analysis tasks.
Additional Subject Specific Information						

Year 9						
Term	**Autumn (1)**	**Autumn (2)**	**Spring (1)**	**Spring (2)**	**Summer (1)**	**Summer (2)**
Topic(s)/ Subjects(s)	Amazing Asia	Environmental Issues		Hazards	Urban Issues	Urban Issues
Knowledge and skills (Content)	Physical and human characteristics. Asian biomes and links to climate. Rainforest characteristics in India. Population distribution and policy in Asia. Reading population pyramids. Culture in China. Globalisation and its influence in China. Trans National Corporations in Asia.	Knowledge Importance of earth- the origins of the planet, systems that support life on earth. Factors affecting climate- earths tilt, ocean currents, maritime/continentality. Causes of climate change- natural. Past variations in climate- Ice Age to present Enhanced Greenhouse effect- Causes of climate change- human- fossil fuels, agriculture, land use change, cement (resource use). Global and UK effects of climate change. Energy Resources non-renewable and renewable. Sustainability and Management of Climate change- GHG reduction.- sustainable homes. Ocean Plastics- causes and effects. Waste and Pollution- e waste in Ghana. Appropriate technology- mobile phones in Kenya, microhydro in Nepal. Skills Extracting information from videos, analysing more complex graphs and maps. Numeracy, calculating Fieldwork- how sustainable is my neighbourhood.		Knowledge Earths Structure and Geological Timescales Wegener and Pangaea, convection currents and plate movement Distribution of boundaries, earthquakes and volcanoes Types of crust 4 types of plate boundaries- destructive, constructive, collision and conservative. Features and processes Tectonic Hazards Volcanoes Tectonic Hazards- Earthquakes Management of tectonic hazards- earthquakes, measurement and adaptation. Management of volcanic hazards- prediction, adaptation Climatic Hazards - hurricanes, features and formation Distribution of hurricanes Effects of a named hurricane- social, economic, environmental. GIS hazard management Skills Use of more advanced GIS, ArcGIS. World atlas maps, analysing sounds, model making.	**Urban Issues-** Global patterns of urban change. Factors affecting urbanisation Megacities Case study of an LIC city- Lagos, Nigeria- characteristics, opportunities and challenges, urban planning. Case study of a UK city- Birmingham, location and importance, impacts of migration, opportunities and challenges. An example of an urban regeneration project- Longbridge, Birmingham City Centre. Sustainable urban living- transport, buildings, green spaces, waste.	
Assessment	Glaciation examination	Environmental Issues examination				
Cross Curricular Links	Science- rock cycle, weathering Y8 2nd half. Maths- numeracy, graphicacy line graphs Y8 Spring 1.	Science- climate change, Y7 Matter unit, magnetism, Earth and Beyond Y7, Y8 energy and resources -renewables. Y9 Using resources. Maths comparative bar charts Y8 spring 1. Maths- Year 8 Summer 2 data handling.		Science Rock cycle and weathering Y8.		DT sustainable materials, transport.
SMSC, British Values, Cultural Capital	Spiritual Learning about the surrounding world, social diverse viewpoints and engagement with others and		Spiritual Learning about the surrounding world, ethical issues, global community.	Ethical issues, spiritual, learning about surroundings, explore experiences, moral, understand consequences.	Spiritual Learning about the surrounding world	Spiritual Learning about the surrounding world, ethical issues such as inequality, global community.

	acceptance of differences. Understanding the culture that makes up our society and that of others.					
CEIAG	National parks ranger, landscape manager, conservation, tourism officer, sustainability consultant.	Green industry energy, transport, housing, ,	Building design, sustainable energy, risk management	Risk management	Town and transport planning, surveyor, urban design,	Debate, social awareness, planning,
Learning outside the classroom	Photograph analysis, research, comprehension task.	Sustainable neighbourhood fieldwork. Calculate carbon footprint, climate change reading.		Design an earthquake proof building. Research effects of tectonic hazards.		
Additional Subject Specific Information						