Holy Family Catholic School – Faculty of Geography   Spring Term 1   Year 8

Learning Intention	Vocab	Concept	Retrieval	Success Criteria	Hinge Questions for this lesson	Red Zone
W1 L1 To recap the knowledge needed for Unit 3: Endless Energy	extract, raw material, natural resource, mining, oil, coal, manufacturing, hydropower	Endless Energy	What does extract mean? What is a raw material?	• I can define key energy-related terms • I can identify examples of natural resources • I can explain how raw materials link to energy	Which of these is an example of extraction?	Explain two ways raw materials are used to produce energy. [4 marks]
W1 L2 To understand why the world is using more energy	energy, electricity, fuel, population, wealth, manufacturing	Endless Energy	What is energy? Name one use of electricity	• I can define energy • I can identify reasons energy demand is rising • I can describe changes in global energy use	Which factor has the biggest impact on energy demand?	Explain why global energy demand is increasing. [8 marks]
W2 L1 To understand what fossil fuels are	fossil fuel, coal, oil, gas, finite, sedimentary, greenhouse gas	Endless Energy	Name one fossil fuel	• I can identify the main fossil fuels • I can explain how fossil fuels form • I can describe one advantage or disadvantage	Which fossil fuel is used most globally?	Explain how fossil fuels are formed. [4 marks]
W3 L1 To understand renewable energy sources	renewable, wind, solar, hydropower,	Endless Energy	What does renewable mean?	• I can define renewable energy	Which energy source will not run out?	Explain the advantages and disadvantages of renewable

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	intermittent, convert			• I can identify renewable energy sources • I can explain one advantage of renewables		energy sources. [8 marks]
W3 L2 To understand the UK's energy mix	energy mix, fossil fuel, nuclear, wind farm, trend	Endless Energy	What is coal used for?	• I can define energy mix • I can describe changes in the UK's energy mix • I can identify key energy sources used today	Which energy source has increased most recently?	Describe two changes in the UK's energy mix over time. [4 marks]
W4 L1 To identify suitable sites for solar energy	site, criteria, solar farm, south-facing, electricity grid	Endless Energy	What direction gets the most sunlight?	• I can identify criteria for solar sites • I can apply criteria to locations • I can justify a site choice	Which site best meets the criteria?	Explain which factors make a site suitable for solar energy. [8 marks]

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W4 L2 To understand China's energy mix	consumption, manufacturing, middle class, renewable, fossil fuel	Endless Energy	Which country uses the most energy?	• I can describe China's energy mix • I can explain why China's energy demand is high • I can interpret energy data	Why does manufacturing increase energy use?	Explain two reasons why China's energy consumption is very high. [4 marks]
W5 L1 To understand how Uruguay became a renewable energy leader	low carbon economy, renewable, invest, governance, commitment	Endless Energy	What does renewable mean?	• I can define a low carbon economy • I can explain why Uruguay uses renewables • I can link governance to energy change	Why is location important for renewables?	Explain how Uruguay became a leader in renewable energy. [8 marks]
W5 L2 Skills: To use six-figure grid references accurately	grid square, eastings, northings, grid reference	Skills	Which comes first: eastings or northings?	• I can define eastings and northings • I can give six-figure grid references • I can locate places accurately	Which grid reference is correct?	Explain how to find a six-figure grid reference. [4 marks]
W6 L1 To use geographical knowledge and skills to justify the most suitable site for	site, criteria, solar energy, south-facing, electricity grid,	Endless Energy	What makes a site suitable for solar energy? What factors affect solar power generation?	• I can use geographical criteria to assess solar sites • I can use evidence from photos and OS maps • I can write a structured answer that justifies a decision	Which piece of evidence best supports a site choice?	Explain which site is best suited for a solar panel installation. Use evidence from the photos and OS maps to

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a solar panel installation	infrastructure, renewable					justify your answer. [8 marks]