

High Tunstall College of Science Curriculum Intent

Subject: Geography Year: 9 Half term: 2

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| **Unit: Challenges and Opportunities in the UK** | | | | | |
| **Be an #excellentgeographer** | | | | | |
| **Big Concepts**  Scale, Place, Interconnection, Change, Environment | **Filters**  Social, Economic, Environmental | **Tools**  Problem-solving, Numeracy &Literacy, Team-work, Spatial Awareness,  Self-management | | | |
| **Key ideas** | | | **Progress** | | |
|  | | | **R** | **A** | **G** |
| Poverty and homelessness are issues in the UK | | |  |  |  |
| Water is a finite resource that needs to be managed sustainably | | |  |  |  |
| Household waste is exported to other countries for recycling | | |  |  |  |
| Traffic congestion is a major source of air pollution | | |  |  |  |
| Renewable energy sources such as wind offer an alternative to fossil fuels | | |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Poverty in the UK **Page 122-123**   * Why some people live in poverty in the UK * The poverty cycle | Key Word Activity  Use, interpret and complete diagrams  Use, interpret and complete line charts  Use and understand numerical data  Plenary: Extent-o-Meter | Poverty, Infographic |
| **2** | Homelessness in the UK **Page 124-125**   * Why some people use foodbanks * What is being done to reduce homelessness in the UK | Retrieval Practice: Regular Recall  Use, interpret and complete diagrams  Use, interpret and complete line charts  Use and understand numerical data  Plenary: Plenary Triangle | Homelessness, Foodbank |
| **3** | Water Supplies **Page 126-127**  Frayer Model: Resource   * How much water is used in your home * The UK water stress in the summer of 2018 | Complete pie charts  Use, interpret and compare choropleth maps  Use and interpret OS maps  Understand and use numerical data  Plenary: Nando’s Peri-Ometer | Census, Estimate |
| **4** | Where Your Water Comes From **Page 128-129**   * Where your water comes from * Different views about building new reservoirs | Retrieval Practice: Top Scorer  Key Word Activity  Complete pie charts  Use, interpret and compare choropleth maps  Use and interpret OS maps  Understand and use numerical data  Plenary: Head, Heart, Hashtag | Aquifer |
| **5** | Waste Management **Page 130-131**  Frayer Model: Landfill   * What happens to your household waste * Why we send our recycling to other countries | Use and interpret ground photos  Use and interpret diagrams  Use and interpret bar charts  Collect and interpret fieldwork data  Plenary: Instagram | Landfill, Pollution, Atmosphere, Greenhouse Gas |
| **6** | The Global Waste Trade **Page 132-133**   * Internal migration in the UK | Triple Challenge  Use and interpret ground photos  Use and interpret diagrams  Use and interpret bar charts  Collect and interpret fieldwork data  Plenary: Odd One Out | Waste, Trade, Import, Export |
| **7** | Air Pollution **Page 134-135**   * The causes and impacts of air pollution | Retrieval Practice: Find & Fix  Key Word Activity  Use and interpret political maps  Use interpret and complete line graphs  Understand and use numerical data including percentage increase  Collect and interpret fieldwork data  Plenary: Plenary Acrostic | Carbon Dioxide, Nitrogen Dioxide, Asthma, Traffic Congestion |
| **8** | Cutting Down on Car Use **Page 136-137**  Frayer Model: Electric Car   * How the UK is trying to reduce car use | Use and interpret political maps  Use interpret and complete line graphs  Understand and use numerical data including percentage increase  Collect and interpret fieldwork data  Plenary: True or False | Electric Cars, Dockless Bikes, Congestion Charge |
| **9** | Energy **Page 138-139**   * Energy production and consumption * Renewable and non-renewable energy sources * The impact of using coal to create electricity | Retrieval Practice: Geog Your Memory  Key Word Activity  Use and interpret line graphs  Use, interpret and create pie charts  Understand and use numerical data  Identify trends using numerical data  Write descriptively  Plenary: New to Nando’s | Fossil Fuels, Consumption, Energy Conservation, Non-Renewable, Energy Security |
| **10** | Wind Power **Page 140-141**  Frayer Model: Renewable Energy   * Why people have different opinions on wind power | Use and interpret line graphs  Use, interpret and create pie charts  Understand and use numerical data  Identify trends using numerical data  Write descriptively  Plenary: Lesson Summary | Renewable, Turbine |
| **11** | Skills Focus: Geographical Information Systems **Page 142-143**   * Use GIS * Use and interpret OS Maps * Draw conclusions | Triple Challenge  Use GIS  Use and interpret OS Maps  Draw conclusions  Plenary: Key Word Match Up | GIS, Data, Base Map |