

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 ActivityUse, interpret and complete diagramsUse, interpret and complete line chartsUse and understand numerical dataPlenary: 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 RecallUse, interpret and complete diagramsUse, interpret and complete line chartsUse and understand numerical dataPlenary: 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 chartsUse, interpret and compare choropleth mapsUse and interpret OS mapsUnderstand and use numerical dataPlenary: 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 ScorerKey Word ActivityComplete pie chartsUse, interpret and compare choropleth mapsUse and interpret OS mapsUnderstand and use numerical dataPlenary: 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 photosUse and interpret diagramsUse and interpret bar chartsCollect and interpret fieldwork dataPlenary: Instagram | Landfill, Pollution, Atmosphere, Greenhouse Gas |
| **6** | The Global Waste Trade **Page 132-133*** Internal migration in the UK
 | Triple ChallengeUse and interpret ground photosUse and interpret diagramsUse and interpret bar chartsCollect and interpret fieldwork dataPlenary: Odd One Out | Waste, Trade, Import, Export |
| **7** | Air Pollution **Page 134-135*** The causes and impacts of air pollution
 | Retrieval Practice: Find & FixKey Word ActivityUse and interpret political mapsUse interpret and complete line graphsUnderstand and use numerical data including percentage increaseCollect and interpret fieldwork dataPlenary: 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 mapsUse interpret and complete line graphsUnderstand and use numerical data including percentage increaseCollect and interpret fieldwork dataPlenary: 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 MemoryKey Word ActivityUse and interpret line graphsUse, interpret and create pie chartsUnderstand and use numerical dataIdentify trends using numerical dataWrite descriptivelyPlenary: 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 graphsUse, interpret and create pie chartsUnderstand and use numerical dataIdentify trends using numerical dataWrite descriptivelyPlenary: Lesson Summary | Renewable, Turbine |
| **11** | Skills Focus: Geographical Information Systems **Page 142-143*** Use GIS
* Use and interpret OS Maps
* Draw conclusions
 | Triple ChallengeUse GISUse and interpret OS MapsDraw conclusionsPlenary: Key Word Match Up | GIS, Data, Base Map |