# Personalised Learning Checklists (PLCs)

Personalised learning checklists are a revision tool for you to use to prioritise the topics to revise. Next to the topic you will find the page number in the green CGP revision guide/revision booklet, where you will find all the information needed to turn it into a green.

- Green = I am confident on this and could answer an exam question without revising
- Amber = I know bits and pieces about this but would need to revise before answering an exam question
- Red = I know very little about this and need to revise it

## Paper 1 – Natural Hazards

| **Tectonic Hazards PLC** | Attended Lesson? | Red | Amber | Green | Revision page number |
|---|---|---|---|---|---|
| 1. Can you define a natural hazard? | | | | | 2 |
| 2. Do you know the two main types of hazard and can you give examples of natural hazards? | | | | | 2 |
| 3. Do you know factors that change the risk of impacts from hazards? | | | | | 2-3 |
| 4. Do you know the structure of the earth? | | | | | 4 |
| 5. Do you know what convection currents are and what causes them? | | | | | 4 |
| 6. Do you know how the Earth's surface is separated into tectonic plates? | | | | | 4 |
| 7. Do you know what happens at these three plate boundaries (destructive, constructive, and conservative)? | | | | | 4-5 |
| 8. Do you know where volcanoes and earthquakes occur? | | | | | 5 |
| 9. Do you know how volcanoes form on destructive and constructive plate boundaries? | | | | | 4-5 |
| 10. Do you know how an earthquake is caused? | | | | | 4-5 |
| 11. Do you know the difference between primary and secondary effects for earthquakes and volcanoes? Give examples. | | | | | 3 |
| 12. Do you know the difference between immediate and long-term responses for earthquakes and volcanoes? Give examples. | | | | | 3 |
| 13. **CASE STUDY:** CHILE EARTHQUAKE - 2010<br>Primary and Secondary Effects (impacts/ consequences)<br>Immediate and Long-Term Responses (management) | | | | | CS 1 |
| 14. **CASE STUDY:** NEPAL EARTHQUAKE – 2015<br>Primary and Secondary Effects (impacts/ consequences)<br>Immediate and Long-Term Responses (management) | | | | | CS 2 |
| 15. **CASE STUDY:** Do you know how the two earthquakes vary?<br>Relationship between development on impacts and responses | | | | | CS 3 |
| 16. Do you know why people continue to live in an area at risk from a tectonic hazard? | | | | | 8 |
| 17. Do you know how buildings can be changed to withstand an earthquake? (Protection) | | | | | 8 |
| 18. Do you know how earthquakes can be managed through; monitoring, prediction, protection, and planning? | | | | | 8 |
| 19. Do you know how volcanoes can be managed through; monitoring, prediction, protection, and planning? | | | | | 8 |

| **Weather Hazards Personalised Learning Checklist** | Attended lesson? | Red | Amber | Green | Revision page number |
|---|---|---|---|---|---|
| 1. Do you know the difference between low and high pressure? | | | | | 9 |
| 2. Do you know how wind moves around the world (global atmospheric circulation)? | | | | | 9 |
| 3. Do you know which way the air moves and where high and low pressure is created? | | | | | 9 |
| 4. Do you know the types of pressure that occur at the equator and the tropics? | | | | | 9 |
| 5. Do you know where tropical storms are distributed? | | | | | 10 |
| 6. Do you know how tropical storms form? | | | | | 10 |
| 7. Do you know the structure of a tropical storm? (e.g. eye, spiral clouds). | | | | | 10 |
| 8. Do you know how climate change may impact the distribution (where found), frequency and intensity of tropical storms? | | | | | 12 |
| 9. Do you the primary effects of tropical storms? | | | | | 11 |
| 10. Do you the secondary effects of tropical storms? | | | | | 11 |
| 11. Do you the immediate responses of tropical storms? | | | | | 11 |
| 12. Do you the long-term responses of tropical storms? | | | | | 11 |
| **CASE STUDY: TROPICAL STORM – Typhoon Haiyan 2013**<br>13. Do you know the primary and secondary effects of this storm?<br>14. Do you know the immediate and long-term responses of this storm? | | | | | 11 & CS 4 |
| 15. Do you know how monitoring, prediction, planning and protection can reduce the effects of a tropical storm? | | | | | 12 |
| 16. Can you name 5 weather hazards the UK gets? | | | | | 13 |
| **CASE STUDY: UK WEATHER HAZARD – THE BEAST FROM THE EAST 2018.**<br>17. Do you know the causes of this storm?<br>18. Do you know the social, economic, and environmental impacts?<br>19. Do you know how the storm was managed to reduce risk? | | | | | CS 5 |
| 20. Can you give evidence of how the weather is becoming more extreme in the UK? | | | | | 13 |
| **<u>Changing Climates Personalised Learning Checklist</u>** | Attended lesson? | Red | Amber | Green | Revision page number |
| 1. Can you define Quaternary period, Glacial period, and Interglacial period? | | | | | 15 |
| 2. Do you know the pattern of climate change from the beginning of the Quaternary Period to the present day? | | | | | 15 |
| 3. Do you know a range and evidence relating to climate change including evidence from sea ice positions, ice cores, global temperature data, paintings, and diaries? | | | | | 15 |
| 4. Can you outline the causes of natural climate change including sunspots, volcanic eruptions and orbital changes? | | | | | 16 |
| 5. Do you know what the greenhouse effect is? | | | | | 16 |

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| 6. Do you know what impact humans have on the atmosphere – fossil fuels, agriculture, and deforestation? | | | | | 16 |
| 7. Do you know what the enhanced greenhouse effect is? | | | | | 16 |
| 8. Do you know a range of the effects of climate change on people and the environment? | | | | | 17 |
| 9. Do you know how to mitigate (reduce effects) climate change through alternative energy production, carbon capture, planting trees and international agreements? | | | | | 18 |
| 10. Do you know how people can adapt to climate change through change in agricultural systems, managing water supply, reducing risk from rising sea levels? | | | | | 18 |

## Paper 1 – Physical landscapes in the UK – Coasts & Rivers

| **Coasts** | Attended lesson? | Red | Amber | Green | Revision page number |
|---|---|---|---|---|---|
| 1. Do you know where upland, lowland and river areas are in the UK? | | | | | 39 |
| 2. Do you know the difference between destructive and constructive waves? | | | | | 40 |
| 3. Do you what mechanical and chemical weathering is? | | | | | 40 |
| 4. Do you know what mass movement is; sliding, slumping, and rock falls? | | | | | 40 |
| 5. Do you know these types of erosional processes; hydraulic power, abrasion, and attrition? | | | | | 40 |
| 6. Do you know how sand is transported along the coast; longshore drift? | | | | | 40 |
| 7. Do you know what deposition is and why this happens in some coastal areas? | | | | | 40 |
| 8. Do you know how geological structure and rock type influence coastal landforms? | | | | | 42 |
| 9. Do you know how erosion forms headlands and bays? | | | | | 42 |
| 10. Do you know how erosion forms wave cut platforms? | | | | | 42 |
| 11. Do you know how erosion forms caves, arches and stacks? | | | | | 42 |
| 12. Do you know how deposition forms beaches and sand dunes? | | | | | 42 |
| 13. Do you know how deposition forms spits, bars and tombolos? | | | | | 42 |
| 14. **CASE STUDY – Named examples of coastal landforms** Do you know named examples of coastline erosional and depositional features? | | | | | CS 9 |
| 15. Do you know the difference between soft and hard engineering? | | | | | 46 |
| 16. Do you know the costs (negatives) and benefits (positives) of hard engineering strategies?<br>17. -sea wall<br>18. -rock armour<br>19. -gabions<br>20. -groynes | | | | | 46 |
| 21. Do you know the costs (negatives) and benefits (positives) of soft engineering strategies? | | | | | 46 |

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| 22. -beach nourishment and re-profiling<br>23. -dune regeneration<br>24. - managed retreat (coastal realignment) | | | | | |
| **CASE STUDY – Dawlish Warren, Coastal Management** | | | | | CS 10 |
| 25. Do you know why the spit is under threat at Dawlish Warren? | | | | | CS 10 |
| 26. Do you know what needs protecting at Dawlish Warren? | | | | | CS 10 |
| 27. Do you know how Dawlish is being managed; what sea defences they have? | | | | | CS 10 |
| 28. Do you know the effects of the management at Dawlish and what conflicts have been created? | | | | | CS 10 |
| **<u>Rivers</u>** | | | | | |
| 29. Do you know what the long profile of a river and its valley is? | | | | | 49 |
| 30. Do you know what the cross profile of a river and its valleys is? | | | | | 49 |
| 31. Do you know how and why the long and cross profile of a river changes? | | | | | 49 |
| 32. Do you know the fluvial process of erosion; hydraulic action, abrasion, attrition, solution? | | | | | 50 |
| 33. Do you know how a river transports material; traction, saltation, suspension, and solution? | | | | | 50 |
| 34. Do you know what deposition is and why they deposit sediment? | | | | | 50 |
| 35. Do you know how erosional landforms form on a river; interlocking spurs, waterfalls, gorges? | | | | | 51 |
| 36. Do you know how erosional and depositional landforms form on a river; meanders and ox-bow lakes? | | | | | 52 |
| 37. Do you know how depositional landforms form on a river; levees, flood plains and estuaries? | | | | | 53 |
| 38. **CASE STUDY – Named examples of River Landforms**<br>Are you able to give named examples of river landforms | | | | | CS 11 |
| 39. Do you know how physical and human factors affects the flood risk | | | | | 56 |
| 40. Do you know what a hydrograph is? | | | | | 56 |
| 41. Do you understand what a hydrograph shows? | | | | | 56 |
| 42. Do you know the costs (negatives) and benefits (positives) of the following hard engineering strategies?<br>– dams and reservoirs<br>– straightening<br>– embankments<br>– flood relief channels | | | | | 57 |
| 43. Do you know the costs (negatives) and benefits (positives) of the following soft engineering strategies?<br>– flood warnings and preparation<br>– flood plain zoning<br>– planting trees<br>– river restoration | | | | | 57 |
| **CASE STUDY – Banbury Flood Alleviation Scheme (2012)** | | | | | CS 12 |
| 44. Do you know why a flood management scheme was needed? | | | | | CS 12 |

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| 45. Do you know what flood management that have installed and how it reduces the risk of flooding? | | | | | CS 12 |
| 46. Do you know the social, economic, and environmental issues are with the management? | | | | | CS 12 |

## Paper 2 – Urban Issues and Challenges

| **Urban Issues and Challenges – Personalised Learning Checklist** | Attended lesson? | Red | Amber | Green | Revision Page |
|---|---|---|---|---|---|
| 1. Do you know the global pattern of people moving to the city? | | | | | 69 |
| 2. Do you know why more people are moving to urban areas in LICs and NEEs compared to HICs | | | | | 69 |
| 3. Can you define urbanisation? | | | | | 69 |
| 4. Do you know the factors that affect the rate of urbanisation? | | | | | 69 |
| 5. Do you know what push and pull factors are? | | | | | 69 |
| 6. Do you know examples of push and pull factors? | | | | | 69 |
| 7. Do you know how migration and natural increase, increases urban populations? | | | | | 69 |
| 8. Do you know what a megacity is? | | | | | 69 |
| **CASE STUDY – Major city in an NEE – Rio De Janeiro** | | | | | CS 13 |
| 9. Do you know the location of Rio De Janeiro? | | | | | CS 13 |
| 10. Do you know the regional, national, and international importance of Rio De Janeiro? | | | | | CS 13 |
| 11. Do you know why the population of Rio De Janeiro is increasing (urban growth)? | | | | | CS 13 |
| 12. Do you know how urban growth has created opportunities socially and economically? | | | | | CS 13 |
| 13. Do you know how urban growth has created challenges; slums, providing water, providing energy, health, education, crime, unemployment, waste disposal etc? | | | | | CS 13 |
| 14. Do you know how urban planning (improving slums) is improving the quality of life in Rio De Janeiro? | | | | | CS 13 |
| **CASE STUDY – Major City in UK - Brighton** | | | | | CS 14 |
| 15. Do you know the regional, national, and international importance of Brighton? | | | | | CS 14 |
| 16. Do you know why the population of Brighton is increasing (urban growth) and the impact it is having on Brighton? | | | | | CS 14 |
| 17. Do you know how urban growth has created opportunities socially, economically, and environmentally? | | | | | CS 14 |
| 18. Do you know how urban growth has created challenges; deprivation, inequality in housing and education, health, dereliction, building on brownfield and greenfield sites etc? | | | | | CS 14 |
| 19. Do you know an urban regeneration project in Brighton; why it is being regenerated and the main features of the project? | | | | | CS 14 |
| 20. Do you the features of sustainable living; water and energy conservation, recycling, and green space? | | | | | 77 |

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| 21. Do you know a transport strategy used to reduce traffic congestion? | | | | | 79 |

## Paper 2 – Changing Economic World

| **Changing Economic World – Personalised Learning Checklist** | Attended lesson? | Red | Amber | Green | Revision Page |
|---|---|---|---|---|---|
| 1. Do you know what; HIC, NEE and LIC stand for? | | | | | 81 |
| 2. Do you know what Gross National Income is? (economic development indicatory) | | | | | 81 |
| 3. Do you know what a social development indicator is? (birth and death rate, infant mortality rate, life expectancy, literacy rates, people per doctor, access to safe water) | | | | | 81 |
| 4. Do you know the limitations to these development indicators? | | | | | 81 |
| 5. Do you know what three development indicators make up HDI (Human Development Index)? | | | | | 81 |
| 6. Can you explain the physical, economic and historical causes of uneven development? | | | | | 84 |
| 7. Can you explain the consequences of uneven development? (disparities in health and wealth, migration) | | | | | 84 |
| 8. Do you know what the DTM is? | | | | | 83 |
| 9. Do you which each stage is like in the DTM? | | | | | 83 |
| 10. Can you explain the strategies used to reduce the development gap? Industrial development, investment, tourism, aid, intermediate technology, fairtrade, debt relief, microfinance loans | | | | | 86 |
| **CASE STUDY – TOURISM : JAMAICA**<br>11. Can you explain how the growth of tourism has helped Jamaica close the development gap? | | | | | CS 15 |
| **CASE STUDY – NEE – NIGERIA** | | | | | CS 16 |
| 12. Do you know the location of Nigeria? | | | | | CS 16 |
| 13. Do you know the regional, national and global importance of Nigeria? | | | | | CS 16 |
| 14. Do you know the wider political, social, cultural and environmental context of Nigeria? | | | | | CS 16 |
| 15. Do you know how employment sectors (primary/secondary/ tertiary/quaternary) have changed over time? | | | | | CS 16 |
| 16. Do you know what a TNC is? | | | | | CS 16 |
| 17. Do you know what TNC is located in Nigeria? | | | | | CS 16 |
| 18. Do you know what positives and negatives the TNC created for Nigeria? | | | | | CS 16 |
| 19. Do you know how the TNC has impacted the environment? | | | | | CS 16 |
| 20. Do you know how people's quality of life has improved in Nigeria? | | | | | CS 16 |
| 21. Do you know how aid has impacted Nigeria? | | | | | CS 16 |
| 22. Do you know how the UK's economy is changing? | | | | | 91 onwards |

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| 23. Do you know the cause of the UK's changing economy? Industrialisation and industrial decline, globalisation and changing government policies | | | | | 91 onwards |
| 24. Do you know what a post industrial economy is? Development of IT, service industries and finance, science and business parks, research | | | | | 91 onwards |
| 25. Do you know how industry impacts the physical environment? | | | | | 91 onwards |
| 26. Can you give an example of how modern industrial development can be environmentally sustainable? | | | | | 91 onwards |
| 27. **CASE STUDY: ENVIRONMENTALLY SUSTAINABLE INDUSTRIAL DEVELOPMENT: Southampton Science Park** Do you know how this development is achieving environmental sustainability | | | | | CS 17 |
| 28. Do you know the features of the UK transport system? | | | | | 91 onwards |
| 29. Do you know how the UK is connected to other countries? | | | | | 91 onwards |
| 30. Do you know how changes in the UK economy are changing rural areas? | | | | | 91 onwards |
| 31. Do you know what the north-south divide is and evidence for it? | | | | | 91 onwards |
| 32. Do you know what the UK government is doing to try and close the north-south divide? | | | | | 91 onwards |

## Paper 3 – Fieldwork and Geographical skill

| **Fieldwork – Personalised Learning Checklist** | Attended lesson? | Red | Amber | Green | Revision Page |
|---|---|---|---|---|---|
| 1. Can I calculate the mean, median, mode, range, and interquartile range and percentage change? | | | | | 122 |
| 2. Do I know the difference between a choropleth map, isoline map, proportional symbol map and flow line map? | | | | | 122 |
| 3. Do I know the difference between a bar chart, line graph, dispersion graph, scatter graph, pictogram, and pie chart? | | | | | 122 |
| 4. Do I know the 3 types of sampling and their advantages and disadvantages? | | | | | 122 |
| **PHYSICAL FIELDWORK – Brighton Beach** | | | | | |
| 5. Do I know the physical fieldwork enquiry question? | | | | | Booklet |
| 6. Do I have good knowledge of the coastal management scheme? | | | | | Booklet |
| 7. Do I know whether the data I collected is primary or secondary? | | | | | Booklet |
| 8. Do I know why it was an appropriate fieldwork location? | | | | | Booklet |
| 9. Do I know what the risks of fieldwork were and how we reduced them? | | | | | Booklet |
| 10. Do I know how we measured and recorded the data? | | | | | Booklet |
| 11. Can I justify why we used these data collection methods? | | | | | Booklet |
| 12. Do I know how I presented the data? | | | | | Booklet |
| 13. Can I explain why I presented the data that way? | | | | | Booklet |
| 14. Can I explain what the presented data shows? | | | | | Booklet |
| 15. Can I identify and explain any anomalies in the data? | | | | | Booklet |

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| 16. Can I answer the fieldwork enquiry question using evidence? | | | | | Booklet |
| 17. Do I know the problems of the data collection methods I used? | | | | | Booklet |
| 18. Do I know the limitations of the data I collected? | | | | | Booklet |
| 19. Can I suggest some other data that would be useful to collect? | | | | | Booklet |
| 20. Do I know how reliable my conclusions are? | | | | | Booklet |
| **HUMAN FIELDWORK – NEW ENGLAND QUARTER, BRIGHTON** | | | | | |
| 21. Do I know the physical fieldwork enquiry question? | | | | | Booklet |
| 22. Do I have good knowledge of the urban regeneration scheme? | | | | | Booklet |
| 23. Do I know whether the data I collected is primary or secondary? | | | | | Booklet |
| 24. Do I know why it was an appropriate fieldwork location? | | | | | Booklet |
| 25. Do I know what the risks of fieldwork were and how we reduced them? | | | | | Booklet |
| 26. Do I know how we measured and recorded the data? | | | | | Booklet |
| 27. Can I justify why we used these data collection methods? | | | | | Booklet |
| 28. Do I know how I presented the data? | | | | | Booklet |
| 29. Can I explain why I presented the data that way? | | | | | Booklet |
| 30. Can I explain what the presented data shows? | | | | | Booklet |
| 31. Can I identify and explain any anomalies in the data? | | | | | Booklet |
| 32. Can I answer the fieldwork enquiry question using evidence? | | | | | Booklet |
| 33. Do I know the problems of the data collection methods I used? | | | | | Booklet |
| 34. Do I know the limitations of the data I collected? | | | | | Booklet |
| 35. Can I suggest some other data that would be useful to collect? | | | | | Booklet |
| 36. Do I know how reliable my conclusions are? | | | | | Booklet |