**Year 7 Computing Enrichment homework Autumn 2**

**Your task if you choose to accept it will be....**

**To plan a road trip!**

**You will be:**

* choosing a country of your choice to plan a road trip.
* including a minimum 8 stops and a maximum of 15 stops.
* choosing a suitable mode of transport.
* Planning and costing your trip.

To complete this task you will need to:

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| 1 | Create mind map to help plan your project. |  |
| 2 | Either find a map on internet or hand draw a map. |  |
| 3 | Plot out a route using shapes in Word or coloured pens if hand drawn. |  |
| 4 | Use a search engine to find the distance between stops. |  |
| 5 | Use a search engine to find an image of a map and save with an appropriate name. |  |
| 6 | Use a search engine to calculate the distances between stops and save this information into a Table in Word. |  |
| 7 | Use a search engine to find an image of at least 4 of your destinations and save these images |  |
| 8 | Use the internet to choose a vehicle and save an image. |  |
| 9 | Use a search engine to research how many miles to the gallon your vehicle does. Save this information into a Word document. |  |
| 10 | Create a spreadsheet and input saved research. |  |
| 11 | Format your spreadsheet.  |  |
| 12 | Use formulas to work out the fuel costs. |  |
| 13 | Use formulas to work out how long your trip will take between stops, and the total duration. |  |
| 14 | Use formulas to work out the average daily cost of your trip |  |
| 15 | Use formulas to work out the maximum distance travelled between stops |  |
| 16 | Use formulas to work out the minimum distance travelled between stops |  |
| 17 | Use formulas to work out the average distance travelled between stops. |  |
| 18 | Add images to spreadsheet. |  |
| 19 | Create a graph using the data to show daily distance travelled. |  |
| 20 | Use software of your choice to label your map showing your route. |  |
| 21 | Print a copy of your finisheda) Map showing routeb) Spreadsheetc) Spreadsheet formula viewd) Graph  |  |