**Diploma Geography – Geographical Skills**

The following skills will be integrated into the Diploma course (we won’t have a specific ‘skills’ unit).

You must regularly review this list – tick the skills as we do them and note *how/where* we used them.

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| **Skill** | **Example** | **Worked examples** |
| **Locate and differentiate elements of the Earth’s surface** | * **Using:** * Direction * Latitude * Longitude * Grid references and are references * Scale * Political units |  |
| **Interpret, analyse and, when appropriate, construct tables, graphs, diagrams, cartographic material and images** | **All kinds of maps, including:**   * Isoline and isopleth maps * Chorapleth maps * Topological maps * Dot maps * Flow maps * Thematic maps (including mental maps) * Topological maps * Proportional symbols * Aerial photographs * Ground-level photographs * Satellite images * Graphs including: scatter, line, bar, compound, triangular, logarithmic, bipolar graphs * Pie charts * Flow diagrams * Population pyramids * Lorenz curves * Cross-profiles (sections) * Rose diagrams * Development diamonds |  |
| **Undertake statistical calculations to show patterns and summarize information** | **Such as:**   * Totals * Averages (means, medians, modes) * Frequencies * Ranges of data (differences btw max and min) * Densities * Percentages * Ratios |  |
| **Research, process and interpret data and information** | **Types of data and information:**   * *Measures of correlation (including Spearman rank and Chi-squared)* * *Measures of concentration and dispersion (including nearest neighbor and location quotients)* * *Measures of spatial interactions* * *Measures of diversity* * Indices and ratios (including Gini coefficient, ecological footprint, Human Development Index, dependency ratio) * Textual information * Observations * Opinions, values and perceptions.   **Processing and interpreting:**   * Classify data and information * Analyse data and information * Describe patterns, trends and relationships * Make generalisations and identify anomalies * Make inferences and predictions * Make and justify decisions * Draw conclusions * Evaluate methodology |  |
| ***Collect and select relevant geographic information*** | **Making:**   * *Observations* * *Images*   **Conducting:**   * *Interviews*   **Taking:**   * *Measurements* |  |
| **Evaluate sources of geographic information** | **In terms of:**   * Accuracy * Relevance * Bias |  |
| **Produce written material (including essays, reports and investigations)** | **Presenting**   * Material in a clear and well-structured way.   **Responding:**   * Appropriately to command words |  |