**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
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| **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
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| **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
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| **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
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| ***Collect and select relevant geographic information*** | **Making:*** *Observations*
* *Images*

**Conducting:*** *Interviews*

**Taking:*** *Measurements*
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| **Evaluate sources of geographic information** | **In terms of:*** Accuracy
* Relevance
* Bias
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| **Produce written material (including essays, reports and investigations)** | **Presenting*** Material in a clear and well-structured way.

**Responding:*** Appropriately to command words
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