

Rationale

This data handling activity can combine a variety of aspects of using and applying, number and data handling.

It can be adapted to work on data from your local area and make comparisons with national data. Links to National Statistics are included so different data can be selected.

The activity can be paper based or provide practice for using Excel or other data handling packages.

By working with this data students will develop an understanding of the structure of the UK population and be able to consider issues of identity.

Nation Curriculum references: Maths

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| Using and Applying | <ul style="list-style-type: none">• Represent problems and solutions in graphical form• Present and interpret solutions in the context of the original problem• Examine critically, improve, then justify their choice of mathematical presentation |
| Number | <ul style="list-style-type: none">• Use index notation and standard index form• Use of percentages• Recognise where percentages are needed to compare proportions• Give solutions in context of the problem to an appropriate degree of accuracy |
| Data Handling | <ul style="list-style-type: none">• Interpret, discuss and synthesise information presented in a variety of forms• Gather data from secondary sources, including printed tables and ICT-based sources• Draw and produce pie-charts, histograms, scatter diagrams, frequency diagrams and stem-and –leaf diagrams• Calculate mean, range, median and mode• Interpret a wide range of graphs and diagrams and draw conclusions |

National Curriculum references: Citizenship

1b) The diversity of national, regional, religious and ethnic identities in the United Kingdom and the need for mutual respect and understanding

2b) Justify orally and in writing a personal opinion about such issues, problems or events

2c) contribute to group and exploratory class discussions, and take part in debates.