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| **Minor Award Name** | **Data Handling** |
| **Minor Award Code** | **M2N08** |
| **Level** | **2** |

**Suggested resources to support delivery:**

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| **Theme/Topic** | **Type** | **Relevance** | **Author/Source** | **Web Link** |
| Identify uses of data in everyday life. | websites | To find the price of items and special offers which allows one to make price comparisons | Tesco | <http://www.tesco.ie/> |
| Aldi | <https://www.aldi.ie/> |
| Lidl | <http://www.lidl.ie/en/index.htm> |
| Supervalu | <https://supervalu.ie/> |
| Spar | <https://centra.ie/> |
| Spar | <https://www.spar.ie/> |
| Mace | <https://www.mace.ie/> |
| Identify the uses of data in everyday life | website | This gives forecasts for rainfall, temperature and wind speed nationally, by region, by county in Ireland. | Met Eireann | <http://www.met.ie/> |
| Identify the uses of data in everyday life | website | Central Statistics Office Ireland is Ireland’s national statistics office. The mandate of the CSO is the collection, compilation, extracting and dissemination for statistical purposes of information relating to economic, social and general activities and conditions in the State. In this website, you can navigate links to Statistics, Databases and Methods.  1916 A Century of Change includes statistics about People. Society, Economy,  Births, Marriages, Deaths,  Census and People of the 1916 Rising | www.cso.ie | <http://www.cso.ie/en/releasesandpublications/ep/p-1916/1916irl/> |
| Identify basic approaches to data collections, e.g. record sheets, tally systems, audio-visual records | YouTube video | Data Handling – This video explains how to compile a tally chart, terms such as Mode, Median and Mean using an example with data. | Directed by Applepip Productions | <https://www.youtube.com/watch?v=c2xnsc68bIw> |
| Identify basic approaches to data collections, e.g. record sheets, tally systems, audio-visual records | website | Statistical results/data in tabular format and graphical format of British General Election 2017. | BBC | <http://www.bbc.com/news/election/2017/results> |
| Identify basic approaches to data collection  Interpret basic data of two criteria  Construct basic representations to communicate data with two criteria  Interpret basic representations | website | First Year Handbook – Section 2: Statistics and Probability: Lesson Ideas  1.6 Introduction to Statistics page 13  1.7 Formulating the questions, collecting and categorising data page 13  1.8 Representing data graphically and numerically page 14 | www.projectmaths.ie | <http://www.projectmaths.ie/wp-content/uploads/2015/01/1st-Year-Handbook-July-2016.pdf> |
| Identify basic approaches to data collection, e.g. record sheets, tally system, audio-visual records | website | Exemplar 7 Mathematics Syllabus: Topic Statistics Collect, Display and Interpret Pages 92 – 99 extracts from the publication “Mathematical Studies and Applications: Mathematics, Business Studies (Post Primary) – Guidelines for Teachers of Students with Mild General Learning Disabilities. | www.ncca.ie | [http:/ww.ncca.ie/uploadedfiles/PP\_Maths.pdf](http://www.ncca.ie/uploadedfiles/PP_Maths.pdf) |
| Interpret basic data of two criteria e.g. more/less of one class than the other, bigger/smaller.  Construct basic representations to communicate data with two criteria, e.g. pictograms, bar charts, tally records.  Interpret basic representations e.g. pictograms/ bar charts | website | Categorical data comes from classifying data into categories. To understand categorical data, we often display it in bar graphs, pie graphs, pictographs.  Two-way tables show how individuals are classified in terms of categorical variables.  We use two-way tables to see if there is an association between two variables. | www.khanacademy.org | <https://www.khanacademy.org/math/statistics-probability/displaying-describing-data> |
| **General** | Website | This outlines the Junior Certificate School Programme (JCSP) Numeracy Strategy.   * Key Definitions in Numeracy can be used to improve students’ understanding of key Definitions in Numeracy and Data Handling (page 12). * Keywords of Numeracy. This resource can be used to support students’ understanding of a range of keywords used in numeracy and   Data Handling (page 24). | Junior Certificate Support Programme | <http://www.jcsp.ie/resource_category/view/2448> |
| **General** | website | Data Handling Level 2  Manual which covers all learning outcomes | www.educoot.org  Copyright 2016 Janna Tiearney | <http://educoot.org/new-page-1/> |
| **General** | website | Level 2 Data Handling  Tutor EBook & Student Workbook which covers all learning outcomes | www.educoot.org | <http://educoot.org/new-page-1/> |
| **General** | Book | Active Maths 1 Junior Cert OL Book  Includes Statistics 1 Collecting Data and Statistics 2 Graphing Data (see Chapter 14) | Folens | <https://www.folens.ie/> |
| **General** | You Tube | Teaching and learning statistics using real data e.g. sport results. Tipps are given in how to step by step successfully involve learners in posing the question, collecting data, analysing data and interpreting results. | Fiona Faulkner Lecturer in Maths Dublin City University | <https://www.nala.ie/content/teaching-and-learning-statistics-using-real-data> |
| **General** | website | Interactive worksheets on calculating mean, mode and range. Interpret charts to find mean, mode, and range. | IXL Learning.Inc | <https://ie.ixl.com/math/year-1> |
| **General** | website | Worksheets containing questions on calculating mean, mode and frequency. | www.scoilnet.ie | <https://www.scoilnet.ie/uploads/resources/22739/22462.pdf> |

**Useful Organisations:**

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| **Name** | **Contact Information** |
| Quality and Qualifications Ireland (QQI) - for minor and major award component specifications | <http://www.qqi.ie/> |
| Further Education Support Services (FESS) – for resources and information on CPD | <http://www.fess.ie/> |
| Project Maths Development Team | <http://www.projectmaths.ie> |
| National Adult Literacy Agency | <http://www.nala.ie> |
| National Council for Curriculum and Assessment | <http://www.ncca.ie> |

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| **MOOCs (Massive Online Open Courses)** | |
| Free access to online courses  Search regularly for new courses and new start dates | <https://www.mooc-list.com/> |