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|  | Lyng Primary School Knowledge OrganiserComputing | https://img.cdn.schooljotter2.com/sampled/8041361/140/140/nocrop/ |
| Topic: Computing | How can collect and record data? | Year 1 | Summer 2 |

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| Image result for steps clipart**Image result for goldilocks**What Goldilocks and Step On words will I use? |
| **Spelling** | **Defintion** |
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**Aims of this unit**

Understanding that programmes execute by following precise and unambiguous instructions. To use logical reasoning to predict the behaviour of simple programs. To create and debug simple programs To understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.

To use logical reasoning to predict the behaviour of simple programs.

* Characters
* Grow and shrink
* Time to move
* Repeat

**Safeguarding**

Filtering and monitoring system is in place. Children will use their own log in details to track any misuse and to protect the child from harmful websites and pop ups. Children will be reminded of how to stay safe online and to use technology safely and respectfully and to tell a trusted adult if there is anything on their computer that makes them uncomfortable.

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| Outcomes |
| **All children** * Explain what a pictogram/chart is
* Collect data
* Create simple data representations

**Most children*** Understanding that technology can be used to represent data in different ways: pictograms, tables, pie charts, bar charts, block graphs etc.
* Using representations to answer questions about data.
* Using software to explore and create pictograms and branching databases.

**Some children*** Interpret data
* Input data
* Decide which questions to ask
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| **Agreed Outcome**create tally charts to record frequency and then enter this into a database to create charts and graphs representing the data. |
| **Summer term**Data handling |

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