

**Curricular Area:**

**Level: 3**



**Science**

Experience and Outcomes

I can sample and identify living things from different habitats to compare their biodiversity and can suggest reasons for their distribution. SCN 3-01a

I can work collaboratively, making appropriate use of technology, to source information presented in a range of ways, interpret what it conveys and discuss whether I believe the information to be robust, vague or misleading. MNU 3-20a When analysing information or collecting data of my own, I can use my understanding of how bias may arise and how sample size can affect precision, to ensure that the data allows for fair conclusions to be drawn. MTH 3-20b

Learning Outcome

To sample biodiversity across a range of areas in the school grounds.

To analyse the patterns in biodiversity found in different areas.

Resources

Quadrat

Pitfall trap

Identification keys

String

Paper

Camera (optional)

Activity

Pupils identify different 'areas' of the school grounds; grass, forest, urbanised etc.

Using string, create a line transect at regular intervals across the school grounds.

Use quadrat and pitfall traps (ensuring to collect these in again) to sample the school grounds.

Analyse results to see if different organisms are found in different areas.

Present findings as tables and graphs.

Analyse data for potential trends.

Assessment

Observation of pupils using quadrats/pitfall traps.

Analysis of results. Have pupils identified organisms and patterns correctly?

Analyse presentation of results.

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