

**Main Criteria:** Forward Education

**Secondary Criteria:** Scotland Mathematics Curriculum for Excellence - Experiences & Outcomes, Scotland Sciences Curriculum for Excellence - Experiences & Outcomes, Scotland Technologies Curriculum for Excellence - Experiences & Outcomes

**Subjects:** Mathematics, Science, Technology Education

**Grades:** 3, 4, Key Stage 1, Key Stage 2

## Forward Education

### Protecting Pollinators with a Bee Counter

#### Scotland Sciences Curriculum for Excellence - Experiences & Outcomes

##### Science

Grade 4 - Adopted: 2017

|                       |                |   |
|-----------------------|----------------|---|
| <b>LEVEL / STRAND</b> | <b>SCT.PE.</b> | <b>Second Level - Planet Earth</b>      |
| <b>EXPERIENCES</b>    | <b>PE.1.</b>   | <b>Biodiversity and interdependence</b> |

|          |         |   |
|----------|---------|---|
| OUTCOMES | PE.1.2. | I can use my knowledge of the interactions and energy flow between plants and animals in ecosystems, food chains and webs. I have contributed to the design or conservation of a wildlife area. SCN 2-02a |
|----------|---------|---|

|          |         |   |
|----------|---------|---|
| OUTCOMES | PE.1.3. | Through carrying out practical activities and investigations, I can show how plants have benefited society. SCN 2-02b |
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|                       |                |                                       |
|-----------------------|----------------|---------------------------------------|
| <b>LEVEL / STRAND</b> | <b>SCT.TS.</b> | <b>Second Level – Topical Science</b> |
| <b>EXPERIENCES</b>    | <b>TS.1.</b>   | <b>Topical Science</b>                |

|          |         |  |
|----------|---------|--|
| OUTCOMES | TS.1.1. | Through research and discussion, I have an appreciation of the contribution that individuals are making to scientific discovery and invention and the impact this has made on society. SCN 2-20a |
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#### Scotland Technologies Curriculum for Excellence - Experiences & Outcomes

##### Technology Education

Grade 3 - Adopted: 2009

|                       |                   |   |
|-----------------------|-------------------|---|
| <b>LEVEL / STRAND</b> | <b>SCT.CDE G.</b> | <b>First Level - Craft, design, engineering and graphics contexts for developing technological skills and knowledge</b> |
|-----------------------|-------------------|---|

|                          |        |  |
|--------------------------|--------|--|
| EXPERIENCES AND OUTCOMES | TCH.3. | Through discovery and imagination, I can develop and use problem-solving strategies to construct models. TCH 1-14a / TCH 2-14a |
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#### Scotland Technologies Curriculum for Excellence - Experiences & Outcomes

##### Technology Education

Grade 4 - Adopted: 2009

|                       |                   |  |
|-----------------------|-------------------|--|
| <b>LEVEL / STRAND</b> | <b>SCT.CDE G.</b> | <b>Second Level - Craft, design, engineering and graphics contexts for developing technological skills and knowledge</b> |
|-----------------------|-------------------|--|

|                          |         |  |
|--------------------------|---------|--|
| EXPERIENCES AND OUTCOMES | CDEG.3. | Through discovery and imagination, I can develop and use problem-solving strategies to construct models. TCH 1-14a / TCH 2-14a |
|--------------------------|---------|--|