Ant dispersal investigation planner

**Year 4**

|  |  |
| --- | --- |
| **Name:** |  |

|  |  |
| --- | --- |
| **Other members of your team:** |  |

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| --- | --- | --- | --- |
| What are you going to investigate?  What happens to …….when we change………..? | | What will you predict will happen? Why?  Give scientific explanations for your prediction. | |
| **To make this a fair test what other things (variables) are you going to:** | | | |
| Change?  Change only one thing. | Observe?  What would the change affect? | | Keep the same?  Which variables will you control? |
| Describe how you will set up your investigation.  Use drawings in necessary. | | What equipment will you need?  Use dot points. | |
| **Write and draw your observations in your science journal.** | | | |

### Recording results

Record your results in a table.

|  |  |  |  |
| --- | --- | --- | --- |
| **Minutes** | **Food 1** | **Food 2** | **Food 3** |
|  |  |  |
| 1 min |  |  |  |
| 2 mins |  |  |  |
| 3 mins |  |  |  |
| 4 mins |  |  |  |
| 5 mins |  |  |  |
| 6 mins |  |  |  |
| 7 mins |  |  |  |
| 8 mins |  |  |  |
| 9 mins |  |  |  |
| 10 mins |  |  |  |
| 11 mins |  |  |  |
| 12 mins |  |  |  |
| 13 mins |  |  |  |
| 14 mins |  |  |  |
| 15 mins |  |  |  |

### Observations of ant dispersal

Draw or take photos of the food cards before and after the investigation to show the dispersal of the food by the ants. Add the images as a storyboard to your science journal.

### Explaining results

What happened to the dispersal of the food by ants when you changed the type of food?

Why did this happen?

Did your results match your prediction?

### Evaluating the investigation

|  |  |
| --- | --- |
| What challenges did you have when doing this investigation? | How could you improve this investigation? |