**Unit title: Making connections: How does wind force affect seed dispersal?**

| 1 | If you are investigating the question 'How does wind force affect seed dispersal?', what variable could you change? |
|---|---|
| A | The seed type. |
| B | The wind force. |
| C | The position of the seed. |
| D | The distance the seed travels. |

| 2 | Which piece of measuring equipment can be used to measure distance? |
|---|---|
| A | Thermometer. |
| B | Stopwatch. |
| C | Scales. |
| D | Ruler. |

| 3 | Which of these is a prediction? |
|---|---|
| A | I think the seeds will travel further with a bigger force of wind. |
| B | The class used different types of wind in the experiment. |
| C | What is the pattern between wind force and seed dispersal? |
| D | I blew the seeds using a hair dryer. |

| 4 | Which method step is incorrect? |
|---|---|
| A | Put the seed in its start position. |
| B | Line up the ruler with the seed. |
| C | Move the wind source while the seed is blown. |
| D | Measure the distance the seed travels. |

| 5 | Which set of data does not show the expected pattern? |
|---|---|
| A | Test 1. |
| B | Test 2. |
| C | Test 3. |
| D | They all show the expected pattern. |

| 6 | Which measurement is shown? |
|---|---|
| A | 5 cm. |
| B | 5.5 cm. |
| C | 5.6 cm. |
| D | 6 cm. |

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| 7 | **Which of these statements is <u>true</u> about this bar chart?** |
|---|---|
| **A** | The seed only travelled a little further with a medium force compared to a small force. |
| **B** | The seed only travelled a little further with a large force compared to a medium force. |
| **C** | A small force of wind had the biggest effect on seed dispersal. |
| **D** | A large force of wind had the least effect on the seed. |

| 8 | **Which of these is a conclusion?** |
|---|---|
| **A** | I think the seeds shaped like a helicopter will be affected most by the wind. |
| **B** | All seeds moved more with a bigger force of wind. |
| **C** | I tried to keep all the control variables the same. |
| **D** | What pattern is there between wind force and seed dispersal? |

| 9 | **Which of these does <u>not</u> improve the degree of trust?** |
|---|---|
| **A** | Repeating the seed dispersal experiment three times. |
| **B** | Lining up the seed with the end of the ruler each time. |
| **C** | Using the same type of wind each time the experiment is repeated. |
| **D** | Using different seeds each time the experiment is repeated. |

| 10 | **Write a plan to improve the trustworthiness of your results.** |
|---|---|
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