

## **Manitoba Grade 6-8 Relevant Science Curriculum Outcomes**

6-0-3a Formulate a prediction/hypothesis that identifies a cause and effect relationship.

6-0-3b Identify variables that might have an impact on their experiments, and variables to hold constant to ensure a fair test.

6-0-3c Create a written plan to answer a specific question.

6-0-4a Carry out procedures that comprise a fair test. Include: controlling variables; repeating measurements to increase accuracy and reliability.

6-0-4c Work cooperatively with group members to carry out a plan, and troubleshoot problems as they arise.

6-0-5a Make observations that are relevant to a specific question.

6-0-5f Record and organize observations in a variety of ways.

6-0-7a Draw a conclusion that explains investigation results. Include: explaining patterns in data; supporting or rejecting a prediction/hypothesis.

6-0-7b Base conclusions on evidence rather than preconceived ideas or hunches.

6-0-7c Identify a new prediction/hypothesis based on investigation results.

6-0-7g Communicate methods, results, conclusions, and new knowledge in a variety of ways.

7-0-3a Formulate a prediction/hypothesis that identifies a cause and effect relationship between the dependent and independent variables.

7-0-3c Create a written plan to answer a specific question.

7-0-4a Carry out procedures that comprise a fair test. Include: controlling variables, repeating experiments to increase accuracy and reliability.

7-0-4c Work cooperatively with team members to carry out a plan, and troubleshoot problems as they arise.

7-0-5a Make observations that are relevant to a specific question.

7-0-5f Record, compile, and display observations and data, using an appropriate format.

7-0-7a Draw a conclusion that explains investigation results.

7-0-7b Critically evaluate conclusions, basing arguments on fact rather than opinion.

7-0-7c Identify a new prediction/hypothesis based on investigation results.

7-0-7g Communicate methods, results, conclusions, and new knowledge in a variety of ways.

8-0-3a Formulate a prediction/hypothesis that identifies a cause and effect relationship between the dependent and independent variables.

8-0-3c Create a written plan to answer a specific question.

8-0-4a Carry out procedures that comprise a fair test.

8-0-5a Make observations that are relevant to a specific question.

8-0-7a Draw a conclusion that explains investigation results.

8-0-7b Critically evaluate conclusions, basing arguments on fact rather than opinion

8-0-7c Identify a new prediction/hypothesis based on investigation results.

8-0-7g Communicate methods, results, conclusions, and new knowledge in a variety of ways.