

# MANITOBA – Curriculum Connections

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## Literacy with ICT Across the Curriculum

[Literacy with ICT Across the Curriculum \(gov.mb.ca\)](http://www.gov.mb.ca)

The five big ideas form a continuous learning process in which students

- question and plan
- gather and make sense
- produce to show understanding
- communicate
- reflect

## GRADE 4

[https://www.edu.gov.mb.ca/k12/cur/science/outcomes/k-4/topic\\_charts.pdf](https://www.edu.gov.mb.ca/k12/cur/science/outcomes/k-4/topic_charts.pdf)

### Cluster 0 – Scientific Inquiry and Design Process

4b. Construct an object, device, or system to solve a problem or meet a need.

4c. Test an object, device, or system with respect to pre-determined criteria.

4d. Identify and make improvements to an object, device, or system, and explain the rationale for the changes.

## GRADES 5 - 8

[https://www.edu.gov.mb.ca/k12/cur/science/outcomes/5-8/topic\\_charts.pdf](https://www.edu.gov.mb.ca/k12/cur/science/outcomes/5-8/topic_charts.pdf)

5-0-8c Recognize that technology is a way of solving problems in response to human needs

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7-0-3e Create a written plan to solve a problem. Include: materials required, three-dimensional sketches, steps to follow. GLO: C1, C3, C6

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