

Main Criteria: Forward Education
Secondary Criteria: British Columbia Curriculum
Subjects: Mathematics, Science, Technology Education
Grades: 3, 4, Key Stage 1, Key Stage 2

Forward Education

Protecting Pollinators with a Bee Counter

British Columbia Curriculum
Mathematics
Grade 3 - Adopted: 2016

CURRICULUM ORGANIZER / COURSE	BC.MA.3.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following:
EXPECTATION / SUB ORGANIZER	3.CC.1.	Reasoning and analyzing

PRESCRIBED LEARNING OUTCOME 3.CC.1.1. Use reasoning to explore and make connections

PRESCRIBED LEARNING OUTCOME 3.CC.1.5. Model mathematics in contextualized experiences

CURRICULUM ORGANIZER / COURSE	BC.MA.3.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following:
EXPECTATION / SUB ORGANIZER	3.CC.2.	Understanding and solving

PRESCRIBED LEARNING OUTCOME 3.CC.2.1. Develop, demonstrate, and apply mathematical understanding through play, inquiry, and problem solving

PRESCRIBED LEARNING OUTCOME 3.CC.2.3. Develop and use multiple strategies to engage in problem solving

PRESCRIBED LEARNING OUTCOME 3.CC.2.4. Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community, and other cultures

CURRICULUM ORGANIZER / COURSE	BC.MA.3.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following:

EXPECTATION / SUB ORGANIZER	3.CC.3.	Communicating and representing
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PRESCRIBED LEARNING OUTCOME 3.CC.3.1. Communicate mathematical thinking in many ways

PRESCRIBED LEARNING OUTCOME 3.CC.3.3. Explain and justify mathematical ideas and decisions

PRESCRIBED LEARNING OUTCOME 3.CC.3.4. Represent mathematical ideas in concrete, pictorial, and symbolic forms

CURRICULUM ORGANIZER / COURSE	BC.MA.3.CC.	Curricular Competencies
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PRESCRIBED LEARNING OUTCOME / ORGANIZER Students are expected to be able to do the following:

EXPECTATION / SUB ORGANIZER	3.CC.4.	Connecting and reflecting
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PRESCRIBED LEARNING OUTCOME 3.CC.4.1. Reflect on mathematical thinking

PRESCRIBED LEARNING OUTCOME 3.CC.4.2. Connect mathematical concepts to each other and to other areas and personal interests

**British Columbia Curriculum
Mathematics
Grade 4 - Adopted: 2016**

CURRICULUM ORGANIZER / COURSE	BC.MA.4.CC.	Curricular Competencies
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PRESCRIBED LEARNING OUTCOME / ORGANIZER Students are expected to be able to do the following:

EXPECTATION / SUB ORGANIZER	4.CC.1.	Reasoning and analyzing
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PRESCRIBED LEARNING OUTCOME 4.CC.1.1. Use reasoning to explore and make connections

PRESCRIBED LEARNING OUTCOME 4.CC.1.5. Model mathematics in contextualized experiences

CURRICULUM ORGANIZER / COURSE	BC.MA.4.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following:
EXPECTATION / SUB ORGANIZER	4.CC.2.	Understanding and solving

PRESCRIBED LEARNING OUTCOME 4.CC.2.1. Develop, demonstrate, and apply mathematical understanding through play, inquiry, and problem solving

PRESCRIBED LEARNING OUTCOME 4.CC.2.3. Develop and use multiple strategies to engage in problem solving

PRESCRIBED LEARNING OUTCOME 4.CC.2.4. Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community, and other cultures

CURRICULUM ORGANIZER / COURSE	BC.MA.4.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following:
EXPECTATION / SUB ORGANIZER	4.CC.3.	Communicating and representing

PRESCRIBED LEARNING OUTCOME 4.CC.3.1. Communicate mathematical thinking in many ways

PRESCRIBED LEARNING OUTCOME 4.CC.3.3. Explain and justify mathematical ideas and decisions

PRESCRIBED LEARNING OUTCOME 4.CC.3.4. Represent mathematical ideas in concrete, pictorial, and symbolic forms

CURRICULUM ORGANIZER / COURSE	BC.MA.4.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following:
EXPECTATION / SUB ORGANIZER	4.CC.4.	Connecting and reflecting

PRESCRIBED LEARNING OUTCOME	4.CC.4.1.	Reflect on mathematical thinking
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PRESCRIBED LEARNING OUTCOME	4.CC.4.2.	Connect mathematical concepts to each other and to other areas and personal interests
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CURRICULUM ORGANIZER / COURSE	BC.MA.4.C.	Content
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to know the following:

EXPECTATION / SUB ORGANIZER	4.C.9.	Increasing and decreasing patterns, using tables and charts
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**British Columbia Curriculum
Science
Grade 3 - Adopted: 2016**

CURRICULUM ORGANIZER / COURSE	BC.SC.3.BI.	Big Ideas
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PRESCRIBED LEARNING OUTCOME / ORGANIZER	3.BI.1.	Living things are diverse, can be grouped, and interact in their ecosystems.
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CURRICULUM ORGANIZER / COURSE	BC.SC.3.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following
EXPECTATION / SUB ORGANIZER	3.CC.2.	Planning and conducting

PRESCRIBED LEARNING OUTCOME	3.CC.2.3.	Safely use appropriate tools to make observations and measurements, using formal measurements and digital technology as appropriate
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CURRICULUM ORGANIZER / COURSE	BC.SC.3.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following
EXPECTATION / SUB ORGANIZER	3.CC.4.	Evaluating

PRESCRIBED LEARNING OUTCOME 3.CC.4.4. Identify some simple environmental implications of their and others' actions

CURRICULUM ORGANIZER / COURSE	BC.SC.3.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following
EXPECTATION / SUB ORGANIZER	3.CC.5.	Applying and innovating

PRESCRIBED LEARNING OUTCOME 3.CC.5.1. Contribute to care for self, others, school, and neighbourhood through personal or collaborative approaches

PRESCRIBED LEARNING OUTCOME 3.CC.5.2. Co-operatively design projects

PRESCRIBED LEARNING OUTCOME 3.CC.5.3. Transfer and apply learning to new situations

PRESCRIBED LEARNING OUTCOME 3.CC.5.4. Generate and introduce new or refined ideas when problem solving

CURRICULUM ORGANIZER / COURSE	BC.SC.3.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following
EXPECTATION / SUB ORGANIZER	3.CC.6.	Communicating

PRESCRIBED LEARNING OUTCOME 3.CC.6.1. Represent and communicate ideas and findings in a variety of ways, such as diagrams and simple reports, using digital technologies as appropriate

**British Columbia Curriculum
Science
Grade 4 - Adopted: 2016**

CURRICULUM ORGANIZER / COURSE	BC.SC.4.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following
EXPECTATION / SUB ORGANIZER	4.CC.2.	Planning and conducting

PRESCRIBED LEARNING OUTCOME 4.CC.2.3. Safely use appropriate tools to make observations and measurements, using formal measurements and digital technology as appropriate

CURRICULUM ORGANIZER / COURSE	BC.SC.4.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following
EXPECTATION / SUB ORGANIZER	4.CC.4.	Evaluating

PRESCRIBED LEARNING OUTCOME 4.CC.4.4. Identify some simple environmental implications of their and others' actions

CURRICULUM ORGANIZER / COURSE	BC.SC.4.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following
EXPECTATION / SUB ORGANIZER	4.CC.5.	Applying and innovating

PRESCRIBED LEARNING OUTCOME 4.CC.5.1. Contribute to care for self, others, school, and neighbourhood through individual or collaborative approaches

PRESCRIBED LEARNING OUTCOME 4.CC.5.2. Co-operatively design projects

PRESCRIBED LEARNING OUTCOME 4.CC.5.3. Transfer and apply learning to new situations

PRESCRIBED LEARNING OUTCOME 4.CC.5.4. Generate and introduce new or refined ideas when problem solving

CURRICULUM ORGANIZER / COURSE	BC.SC.4.CC.	Curricular Competencies
PRESCRIBED LEARNING OUTCOME / ORGANIZER		Students are expected to be able to do the following
EXPECTATION / SUB ORGANIZER	4.CC.6.	Communicating

PRESCRIBED
LEARNING
OUTCOME

4.CC.6.1. Represent and communicate ideas and findings in a variety of ways, such as diagrams and simple reports, using digital technologies as appropriate