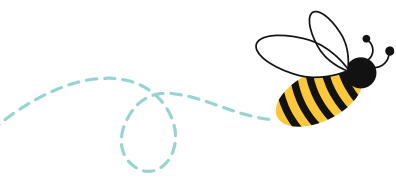


Maple Ridge **H**eritage **Detectives**

Plant Life



MAPLE RIDGE
MUSEUM
& COMMUNITY ARCHIVES



Introduction



Have you heard of the terms native or invasive plant species? This worksheet aims to educate students on distinguishing between native and invasive plant species, as well as identifying examples of local flora and fauna in their area.

Learning Outcomes

This activity is recommended for students in kindergarten to grade 3; younger students may need more help and activities can be modified as needed. This activity connects to Social studies and Science BC curriculum competencies. The learning outcomes and skills developed in this activity are:

- Identification of local plants
- Invasive vs native plants
- Living things are diverse and can be grouped
- Relationship between community and environment
- Creative and critical thinking
- Exploration of local community

Instructions

Work your way through the activity book. Booklet may be done in order, but each puzzle can be solved independently and does not require a correct answer to continue. Each page has individual instructions at the top.

Supplies

- Writing utensil such as a pencil, pen, marker, or crayon
- Scissors
- Glue Stick

For Teachers

Lesson Plan: Exploring Native and Invasive Plants

Introduction:

- Begin by explaining the concepts of native and invasive plant species. Use the next page of the activity booklet, which includes explanations and pictures.
- Make this interactive by asking the children to share their thoughts on what they think an invasive plant species might be before providing a detailed explanation.

Guessing Game:

- Cut out photos of native and invasive species from the booklet or display them using a projector.
- Organize students into teams or have them play individually to guess which plants are native and which are invasive.

Discussion Questions: (answers in back of booklet)

- Facilitate a class discussion using the following questions:
 - Why are native plants important to the ecosystem of Maple Ridge?
 - How do invasive plants impact an ecosystem?
 - Why do invasive plants often grow faster and larger than native species?
 - How do invasive species spread, and what factors contribute to their rapid proliferation?
 - What role do native plants play in supporting local wildlife and pollinators?

Scavenger Hunt:

- Print out the scavenger hunt from the booklet.
- Take the students for a walk around the neighborhood to identify and locate the plants listed.
- Encourage students to take notes on their observations, such as which plants are larger or more prevalent.

Back in Class:

- Once back in the classroom, students will complete the remaining activities in the booklet.
- These activities will cover the life cycle of plants and plant-related terminology.

Native Vs. Invasive Species

Native Species:

A native plant species is a plant that occurs naturally in its ecosystem without the help of a human. Native plants are special because they're really good at living in the climate and soil of their home. They also provide homes and food for the animals and insects that live nearby. So, they help keep everything in balance!

Example of a Maple Ridge Native plant species:

Pacific Bleeding Heart



Invasive Species:

An Invasive Plant species is a plant that does not naturally occur in the ecosystem it is growing in and is often introduced by humans. Sometimes Invasive plants can grow too well and take over the space where the native plants live. Certain Invasive species can harm native plants, animals and ecosystems.

Example of a Maple Ridge Invasive plant species:

Himalayan Blackberry



Native or Invasive?

Decide if these plants are native or invasive in Maple Ridge by drawing a line between the plants and their status. Look at the name of the plant for clues.

Aster



Invasive

Plants that do not occur naturally in Maple Ridge

False Azalea



Woolly Sunflower



Native

Plants that occur naturally in Maple Ridge

Japanese Knotweed



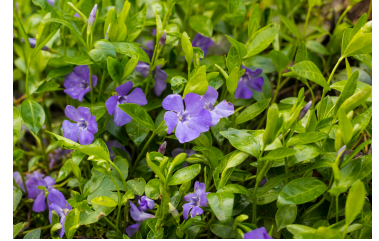
Salmonberry



Creeping Buttercup



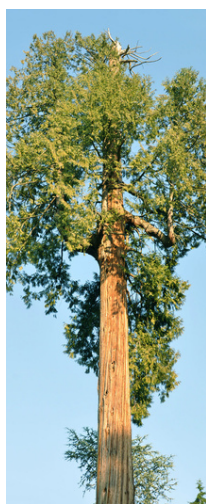
Common Periwinkle



Himalayan Blackberry



Western Red Cedar



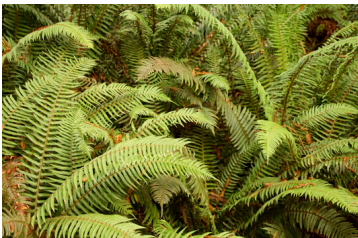
Purple Loosestrife



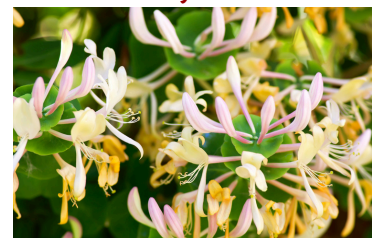
Pacific Bleeding Heart



Sword Fern



Honeysuckle



Plant Scavenger Hunt

How many of these plants can you find around Maple Ridge? Take a walk through Maple Ridge and check off how many of these plants you can find!



Sword Ferns

☐

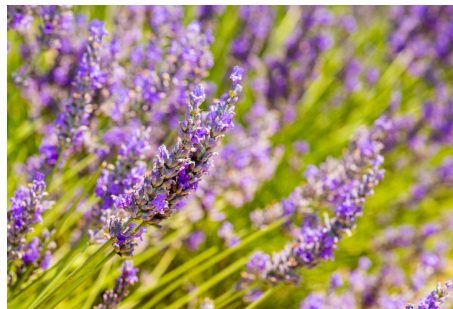
Blackberries

☐

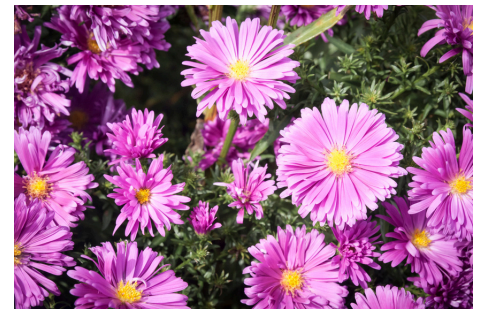
Sunflowers

☐

Salmonberries

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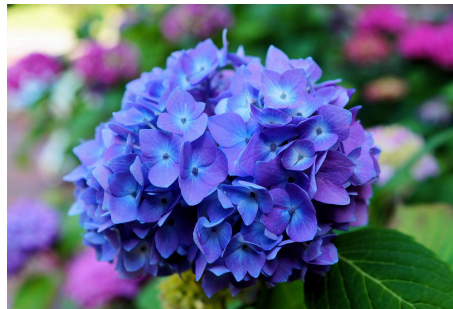
Lavender

☐

Asters

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Daisies

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Hydrangeas

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Bleeding Hearts

☐

Apple Trees

☐

Mint

☐

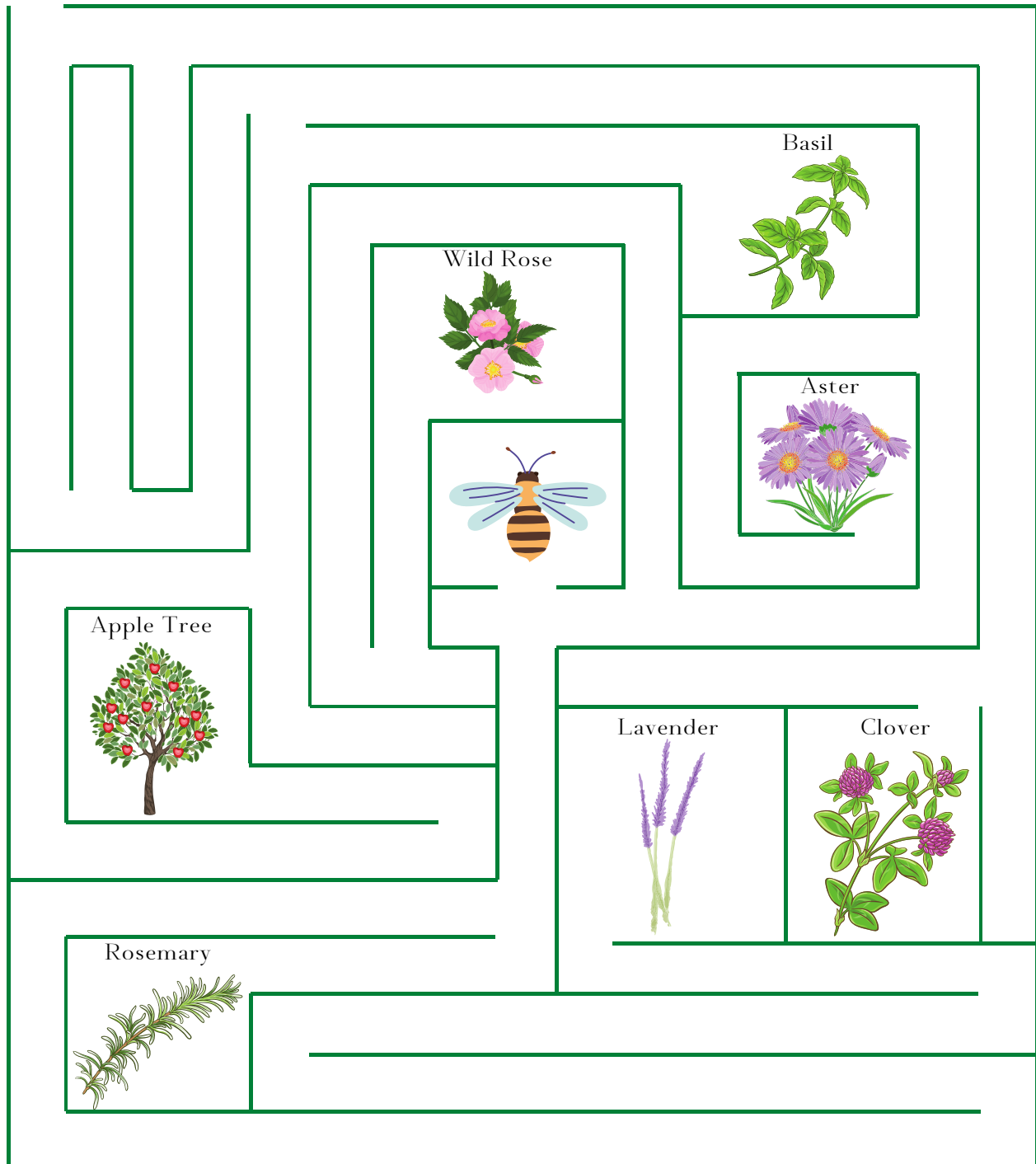
Cedar Trees

☐

Let's Bee Friends



Can you help Bumble the bee pollinate all these bee friendly plants and return home to his hive?



Plant Life Word Search

Find the word in the puzzle.

Words can go in any direction. Words can share letters as they cross over each other.

P	Z	Q	C	J	N	L	M	P	E	N	B	U	L	B
E	F	Z	H	C	W	F	T	E	E	A	S	U	D	X
T	L	P	T	O	G	B	B	L	T	F	B	Z	U	Y
A	J	X	W	R	C	E	L	U	V	S	E	V	W	R
L	U	O	O	R	S	O	V	W	D	Q	E	J	U	R
I	Z	W	R	L	P	U	P	I	B	S	S	L	E	E
O	T	V	G	I	X	Q	N	K	S	L	S	W	S	B
H	T	E	V	I	T	A	N	L	C	A	O	W	V	K
Z	D	N	F	L	O	R	A	Z	I	L	V	R	M	C
M	H	D	A	D	M	X	G	R	F	G	O	N	S	A
R	S	G	U	L	J	A	T	E	D	O	H	P	I	L
E	L	J	Q	F	P	W	Y	N	T	K	G	T	N	B
C	E	I	D	A	G	N	I	L	P	A	S	G	E	J
X	R	B	G	E	R	M	I	N	A	T	I	O	N	I
F	R	K	X	L	N	E	E	R	G	R	E	V	E	N

bees

bulb

flower

growth

native

pollen

stem

blackberry

evergreen

germination

invasive

petal root

sunlight

buds

flora

growth

leaf

plant

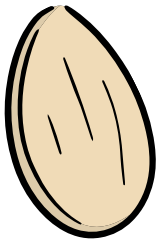
sapling

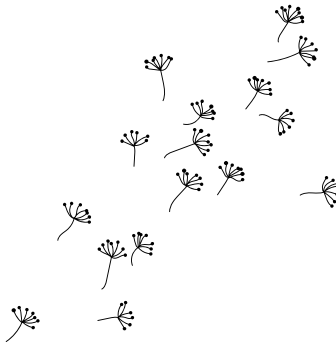
Plant Life Cycle:

The six stages of a plant are:

- 1 - seed, 2 - germination, 3 - growth,
4 - reproduction, 5 - pollination,
and 6 - seed spreading stages.

Number these in the correct order.

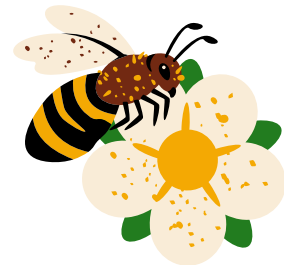












Planting a Garden

Can you help plant the garden below by cutting out the plants and fitting them into the grid?

