





NAME:

FIELD JOURNAL

KNOW BEFORE YOU GO!

Think about what you already know and want to know about plants and your community forest.

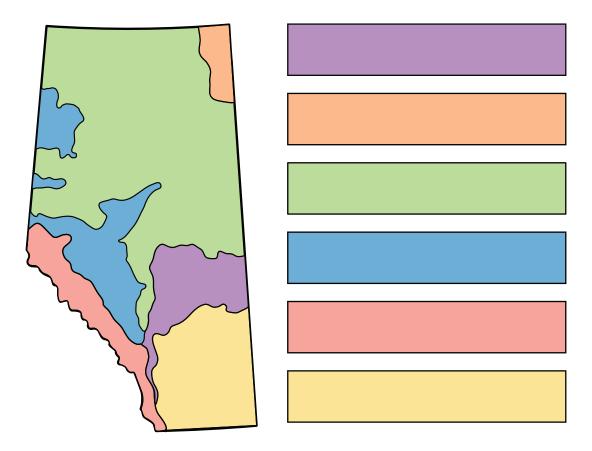
When you get back from the forest, write down what you learned!



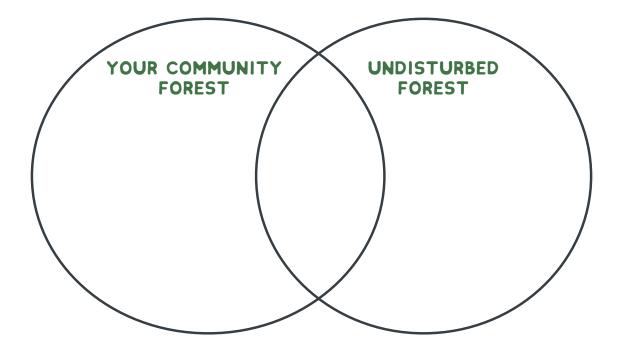
K What do I know?	What do I want to know?	What have I learned?

What ecoregion are you in?

Label the ecoregions and draw a star on the map to show where you are in Alberta.



Make some predictions about the similarities and differences between the forest you are visiting and one that is away from human development.





GET TO KNOW YOUR COMMUNITY FOREST

SITE ASSESSMENT

Knowing the weather conditions when you are about to head outside is important for safety! You need to dress appropriately and weather events like wind and heavy rain may be dangerous. Record the outdoor weather conditions as a class using the anemometer in your kit.

WEATHER CONDITIONS (circle one):
Sunny / Partly Cloudy / Cloudy / Rainy / Snowy / Windy
TEMPERATURE:
WIND SPEED:

Find a space where you can sit by yourself and use your senses to experience the forest today.

Record your observations in the table below:

What do you hear?	What do you smell?	What do you feel?



EYE SPY

HUMAN RELATED

Look around your community forest for the following items and think about how this forest is used by both humans and the natural environment.

Check off the items you see. Add other interesting things you notice to the bottom of the list!

	□ Houses
	☐ Cleared trails
	□ Fences
	☐ Mowed lawns/grass
	□ Cars
	□ Birdhouses
	□ Power lines
	□ street lights
NΑ	TURAL
	□ Birds
	□ Insects
	☐ Bird nest
	\Box Large tree (taller than a house)
	☐ Young saplings
	□ Shrubs
	□ Flowers
LIS	T OTHER COOL THINGS YOU SAW:
	L
	Ц

HOW IS YOUR COMMUNITY FOREST USED?

[□ Picnics
[☐ Playing/recreational games (soccer, baseball, frisbee)
[☐ Walking/Running/Cycling
[□ Community activities (families, seniors, preschool)
[☐ Habitat for plants & animals

☐ Teaching & learning (school)

- ☐ Farming/Ranching
- □ Forestry
- □ Oil & Gas
- ☐ Housing development
- ☐ Scientists / Researchers





PLANTING THE SEED

A forest is more than trees and it's time to get to know the plants that make up your community forest.

TREES, SHRUBS, GRASSES, AND MORE

Find a plant and draw it in the box below.

Then, use the terms on the side to label the parts of the plant.

Hint: You will not use all of the labels!

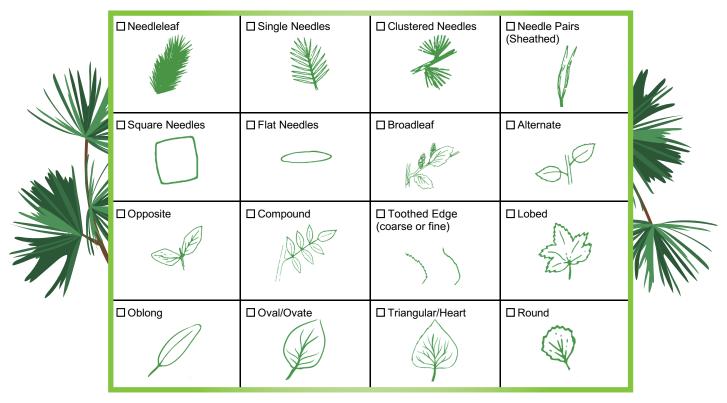
	,
Flower	
Cone	
Fruit	
Needles	
Leaf	
Trunk	
Stem	
Catkin	
Roots	





LEAF PATTERNS

Leaf shapes and patterns can tell us a lot about plants. Take a closer look at the leaves of the plant you drew. **Check off the pictures below that look like your plant.**



Which plants make up your community forest? Choose a small area of your community forest to count some plants. **Keep track of how many of each type of plant you see using your** *tally counter***.**











Deciduous Trees (trees with broad leaves)	Coniferous Trees (trees with needles and cones)	Shrub	Grass	Other (ferns, vines, etc.)
Ex. ++++				



ANIMAL HABITATS AND EVIDENCE

Search for signs that animals are using your community forest! Use your *Animal Tracks Pocket Guide* to help you in your search.

Circle either yes or no for each line and then add up your results to give this forest a habitat score from 0 - 20.

*Remember you can look but do not touch or disturb animal evidence.

1.	There are places for animals to hide	Lots = 2 points	Some = 1 points	None = 0 points
2.	I found animal tracks	Yes = 2 pc	oints No = 0	points
3.	I found animal scat (poop)	Yes = 2 pc	oints No = 0	points
4.	I found animal hair, feathers or animal fu	Yes = 2 pc	oints No = 0	points
5.	I found an animal burrow or hole in the gr	ound Yes = 2 pc	oints No = 0	points
6.	There is water nearby for animals to drin	Yes = 2 pc	oints No = 0	points
7.	I found insect galleries in trees	Yes = 2 pc	oints No = 0	points
8.	I found a bird nest or woodpecker hole	Yes = 2 pc	oints No = 0	points
9.	I found animal bones	Yes = 2 pc	oints No = 0	points
10	. I saw a live animal	Yes = 2 pc	oints No = 0	points

Bonus points (max 2):

List any other evidence you found that lets you know animals are using your community forest.



TOTAL HABITAT SCORE



THE STORY OF FOREST PESTS AND DISEASE

Forest pests and disease are a natural part of the life of a forest. We do need to pay attention, though, because pests and disease can spread quickly and impact forest health. Trees that are older or that grow too close together are at higher risk of pests and disease.

Find a tree and complete the story below to learn how pests and disease may change your community forest.

Once upon a time there was a tree named(Choose a name for your tree)	. The tree was		
very TALL / SMALL and also quite YOUNG / OLD. (circle one) (tree name) good life for a tree; it grows in a very SUNNY / SHADY spot and gro	2)		
(circle one)	(circle one)		
from/to its neighbour trees. One day a bird lands on one of	(tree name)		
branches and says "hello"!			
This bird is looking to build her nest but wants to make sure that			
is a healthy strong tree.			
The bird pecks on the bark and it sounds SOLID / HOLLOW . She lo	oks to see if the		
trunk has LITTLE / LOTS OF damage like cuts, splits, scars of (circle one)	or marks.		
There are NO / SOME broken branches. The bird sees MANY /FEW (circle one)	leaves that are		
BRIGHT / DULL in colour and ARE / ARE NOT covered in signs (circle one) (circle one)	s of insects.		

The bird decides that overall this tree is

HEALTHY / UNHEALTHY and (circle one)
that she WILL / WILL NOT build her nest. (circle one)



DIG DEEPER INTO DECOMPOSITION



The forest floor and soil beneath your feet is just as important as the plants and animals. Fallen leaves, insects and fungi work together to transform this "waste" into soil to support new life.







IS YOUR FOREST RECYCLING?

1. Leaf litter is the layer of leaves, cones, twigs and other vegetation that has fallen to the forest floor. Use your *ruler* to measure the depth of leaf litter and check off the reasons why leaf litter is important: The more leaf litter you have the better!

_____cm

Leaf litter is important because it:

(check all that apply)

- ☐ Keeps the soil moist
- \square Provides habitat for decomposers
- ☐ Adds nutrients to the soil
- ☐ Provides food for animals
- ☐ Protects tiny seedlings and plants
- $\hfill\square$ Provides nesting material for birds and other animals





2. Take your *magnifying glass* and go on a decomposer scavenger hunt and check off what you find below. Match the decomposers to their role in the forest.



THE FOREST AND YOU

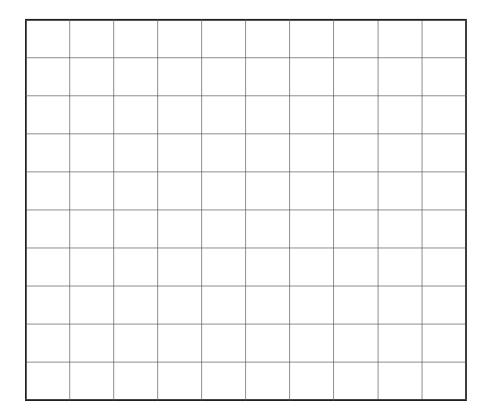
Think about your community forest as a whole and all the different ways that plants, animals and people are interacting with each other.

STEP 1

Draw a sketch of your community forest

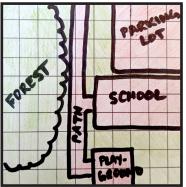
STEP 2

Using 2 different coloured pencils to create an image of your forest that represents all of its parts.



Why would it be important to limit the amount of space influenced by humans in your community forest?

Example:



Colour 1 = the areas that are influenced by humans (eg. path, playgrounds, picnic area, soccer fields, buildings)

Colour 2 = the natural areas (eg. grasses, trees, shrubs, water)

Count the number of squares of each colour

Colour 1 =

human influenced

Colour 2 =

natural forest



FOREST STEWARDSHIP

Think about the ways that you interact with your community forest.

Circle thumbs up or thumbs down if the activities are helpful or harmful to the environment.

- 👍 👎 Feeding wildlife your leftover lunch
- 👍 👎 Organizing a community forest clean up
- Breaking tree branches
- 👍 👎 Starting a compost program
- 👍 👎 Clearing the ground of fallen leaves
- Letting dogs and cats run loose
- 👍 👎 Sharing what you know about the forest

List at least one thing you can do to care for your community forest?







NOTES





NOTES





SUPPORTING TEACHERS, INSPIRING STUDENTS.

Visit **www.InsideEducation.ca** to learn more about the programs and resources we offer!

SPRING 2021

This learning resource was made possible through the generous support of our partners including:

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We extend our appreciation to the following:













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