

The *NatureMapping* Program

Materials needed for all Activities

* - you can print any (pdf) file from the website

#1 – Everything is Connected

Ecosystem Element Cards (pdf)
Ball of string – [purchase separately](#)
Glenrose Watershed Gazette (html)

#2 – Speaking Species I

Animal list - online
Student Interview Questions (pdf)
Species of Washington by county (pdf)
Data Collection Form (pdf)
Student Journal (pdf) or small notebook
Spelling List (pdf)
How to find the species codes (pdf)
Field guides – [purchase separately](#)

#2 – Speaking Species II

Find your county then search for species in your area - online

#3 – Field Guide Frenzy

Field guides – [purchase separately](#)
Rubric – (pdf)
Species clues (20 online) and (6 different ones in a pdf)
Animal Fact Sheets - online

#4 – Using Binoculars/Monoculars – no Student Guide

How to use binoculars guide (pdf)
Binoculars and/or monoculars – [purchase separately](#)
Posters of animals in their habitat – [purchase separately](#)
Stopwatches – [purchase separately](#)

#5 - Name that Animal I

Binoculars – [purchase separately](#)
Data Collection Forms from Activity #2
Students' journals from Activity #2
Posters of wildlife – [purchase separately](#)
Field guides – [purchase separately](#)

#5 – Name that Animal II

Pictures of flocks of birds to practice estimating numbers - online

#6 – Introduction to Mapping I – no student Guide

Compass – [purchase separately](#)
Pencils, rulers
Graph paper, tape measure
Maps of the local area, state, and world – [purchase separately](#)
Treasure map (pdf)
Map puzzle (pdf)
How to use a compass (pdf)

#6 – Introduction to Mapping II

Maps of the local area – [purchase separately](#)
Topographic Treasure map (pdf)
Treasure Map (pdf) used in Part I
Scale bar (pdf)
Student guide questions and answers - online

#7 – Animal Signs

Treasure Map (pdf)
Sign cards (pdf)
Students' Data Collection Forms and Journals from earlier Activities
Other signs: Pencil, fake scat, feather, golf ball – [purchase separately](#)
Tracking tips (pdf)
Tracking Patterns (pdf)
Pet Measurements (pdf)

#8 – Mapping Part II

DeLorme Atlas – [purchase separately](#)
1:24,000 and 1:100,000 Topographic map – [purchase separately](#)
Township/Range handout (pdf)
Latitude and Longitude handout - advanced (pdf)
UTM handout (pdf)
Mapping Conversion chart (pdf)
Township transparency (pdf)
What is a Datum (pdf)
Practice using maps - online

#9 – Meeting Needs

Different habitats – online
Lake Tahoe photo (pdf)
Lake Tahoe habitat outline (pdf)
Habitat map (pdf)
Chase Middle School habitat map (pdf)

#10 – Name that Habitat

Code the 9 General Habitats – online
Lake Tahoe photo (pdf)
Lake Tahoe habitat outline (pdf)

#11 – Habitat Association

Habitat table of general habitats for selected species – online
How to assign 2nd and 3rd numbers – online

#12 – Data Collection Protocols – no Student Guide

NatureMapping at a glance (pdf)
NatureMapping data collection protocols (pdf)
Spreadsheet protocols (pdf)

#13 – Using Emerging Technologies to collect and analyze data

Pros and cons (pdf)
Steps to collect geographic data - online
GPS unit (pdf)
PowerPoint GIS (ppt)
Aerial and topo maps – online
Students questions and answers (pdf)

#14 – Learning from Nature: Biomimicry

Mimicry pdf
Nature summary pdf
Biomimicry powerpoint presentation [purchase separately](#)