

INTO THE WOODS ALASKA

SUMMER OUTDOOR SCIENCE PROGRAMS 2022

CURRICULUM & PROGRAMMING SCHEDULE

Below is the curriculum schedule for each age group, week, and location of our Summer Outdoor Science Program. Curriculums have two facets per week: environmental science and outdoor studies skills, and are identified by a Letter designator. Refer to the chart below to read in detail about each curriculum.

Each curriculum is divided into three sub-curriculums and is appropriately scaffolded to each age group's learning abilities and needs, and adjusted to developmentally appropriate learning goals. The Youth Outdoor Leadership program will not only learn according to each week's curriculum topic, but will specifically learn how to teach others these skills and ideas. The Youth Outdoor Leadership Program will most likely take daily trips in our van for hiking, field research, and sometimes go on-site with our other programs at Kincaid and Hillside to have a "teaching day" where they give presentations and share knowledge with the younger groups.

Please note that topics and themes per week are subject to change depending on environmental factors, pedagogical concerns and factors, current events, weather, equipment and staff availability. Our program is all about place-based, experiential learning; if an opportunity to learn something presents itself in our surroundings, we may deviate from the curriculum to study it up close.

Gear lists: Gear lists will be published separately [on our website](#).

LOCATION	KINCAID PARK (trailhead drop-off/pick-up TBA)	KINCAID PARK (trailhead drop-off/pick-up TBA)	KINCAID PARK (trailhead drop-off/pick-up TBA)	HILLSIDE TRAILS (trailhead drop-off/pick-up TBA)	HILLSIDE TRAILS (trailhead drop-off/pick-up TBA)	HILLSIDE TRAILS (trailhead drop-off/pick-up TBA)	LOCATION TBA	LOCATION TBA
AGE GROUP	WOLF PUPS (AGES 5-6)	YOUNG OUTDOOR EXPLORERS (AGES 7-9)	JR. YOUTH (AGES 10-12)	WOLF PUPS (AGES 5-6)	YOUNG OUTDOOR EXPLORERS (AGES 7-9)	JR. YOUTH (AGES 10-12)	YOUTH OUTDOOR SCIENCE LEADERSHIP PROGRAM (AGES 13-15)	YOUTH OUTDOOR SCIENCE LEADERSHIP PROGRAM (AGES 16-18)
COST PER WEEK	\$350	\$325	\$325	\$350	\$325	\$325	\$375	\$375
MAX. # STUDENTS	15	20	20	15	20	20	10	10
WEEK 1	A	B	C	D	E	F	G	H
WEEK 2	B	C	D	E	F	G	H	I
WEEK 3	C	D	E	F	G	H	I	J
WEEK 4	D	E	F	G	H	I	J	K
WEEK 5	E	F	G	H	I	J	K	L
WEEK 6	F	G	H	I	J	K	L	A
WEEK 7	G	H	I	J	K	L	A	B
WEEK 8	H	I	J	K	L	A	B	C
WEEK 9	I	J	K	L	A	B	C	D
WEEK 10	J	K	L	A	B	C	D	E
WEEK 11	K	L	A	B	C	D	E	F
WEEK 12	L	A	B	C	D	E	F	G

Into the Woods Alaska Summer 2022 Outdoor Science Curriculum Plan and Schedule

CURRICULUM CODE	SUMMER 2022 CURRICULUM TOPICS AND THEMES (TENTATIVE)	
	Environmental Science Topic	Outdoor Studies Topic
A	Insects, Micro Flora & Fauna. Insects: the food of the future?	Planning Cities for the future - how do we adapt and build sustainable lifestyles?
B	Mycorrhizal Network, Fungi, arboreal relationships	Orienteering, Map reading, compass, reading terrain. Why are trails important? (leave no trace - case study: the flattop destruction and current restoration)
C	Layers of the Forest: why are trees important, types of trees in AK, trees around the world.	Trail Helpers: first aid skills and techniques. Safe Recreation Concepts: are we there to "conquer" the challenging landscapes of nature, or work in collaboration and harmony with it? What is involved in a trail rescue? Resources Involved.
D	FISH 1: fish of alaska, special adaptations, fish failures with warming waters, case study: pike, eating fish, fish in history, habitats	Shelters, hypothermia, wind, wet - recognizing dangerous situations, prevention of dangerous situations before they start, how to deal with hypothermia with yourself and others.
E	What's in the Water? (life in aquatic ecosystems) Water tables of Anchorage and our local wild<->urban interface	Water Safety Knowledge and Skills: recreation and consumption (filtration, purifying etc.)
F	BIRDS 1: Migratory, non-migratory, adaptation to climate change. One bird species as a case study for climate change. The dying off of Murres in Alaska.	Planning an expedition and adapting gear to climate and weather.
G	geology of AK, compared to rest of world. geology and climate change	Hiking, using the trails, leave no trace. recreation - are we using nature for fun, or enjoying sports in harmony with nature?
H	Large Fauna of Alaska, compared to adaptations of other large fauna of other ecosystems and climates. Case studies: our local Bears, our local Moose.	Looking at humans as animals, where do we fit in the earth's future? How do we ensure our success as a species? Are our common practices of securing food and shelter sustainable?
I	Ecosystems under pressure: species moving in, species moving out. the classic: specialist, generalist, carnivore, herbivore, omnivore. Our Anthropocene Extinction Event.	planning food for day trips, expeditions
J	Climate change and the arctic: moving forward. What is a circular economy? How do we sustain life in a changing climate?	Trails of the world - how do Alaskans enjoy trails? How do other cultures enjoy them? Why is being outdoors part of a healthy lifestyle? How can you be a leader outdoors?
K	FISH 2: the ocean, jellyfish, warming water. Global species? Case study: Halibut	Skin care, foot care - blisters ..."pressure wounds". Take care of your feet!
L	BIRDS 2: local failures/extinctions and local successes...why? Case studies in contrast: Ravens, Murres, Eagles, Gulls, Swans, Terns.	Flying in - amazing fly-in trips in AK and the world and how to get there!