

## UNIT 1D. SALMON LIFE CYCLE

TIME	LEVEL
60-90 minutes	All

### BENCHMARKS

Disciplinary Core Ideas	MS-LS1-B MS-L2.A MS-LS2.C HS-LS2.C
Science & Engineering Practices	Developing and Using Models
Common Core Standards-ELA/Literacy	CCRA.R.1 CCRA.R.4
Common Core Standards-Math	HS.57 HS.63

### MATERIALS:

Use The [Journey of Pacific Wild Salmon STUDENT HANDOUT 4A-1](#) found in **UNIT 4: Salmon** to review the life cycle of salmon with your students. If you need a simpler life cycle activity, a short summary from *Stream Scene* has been included at the end of the above handout.

### OBJECTIVES:

Students will:

- become familiar with the life cycle of the salmon.
- know and understand the key terms relating to the life cycle of the salmon.

### VOCABULARY:

anadromous	fry	eggs	smolt	porous gravel
Salmonids	smoltification	alevins	parr marks	milt percolation
yolk sac	spawn	vitelline vein	redd	

If your students only have time to briefly review the life cycle of the salmon before their field trip, engage them in a discussion with the following questions.

- What conditions are necessary for successful salmon reproduction?
- What conditions are necessary for successful rearing of young salmon?
- What do salmon fry feed upon?
- What is smoltification and do salmon go through this process?
- What is the importance of stream flow to salmon migration?
- How long do salmon spend in the ocean and what do they feed upon?
- What natural and human factors impact salmon survival rates?
- How do salmon navigate back to their native streams?
- What do salmon feed upon when they enter fresh water?
- What is the process for salmon reproduction?