

Video Title: Lesson 07—Salmon Lifecycle

Brief Description	Shona Bruce describes the salmon lifecycle in detail. Including: a demonstration of how fish spawn as well as a visual demonstration of the average numbers of eggs that survive to become spawning salmon.
KEYWORDS	Eyed eggs alevin yolk sac swim bladder gills smolt estuary spawn fertilized keystone species
Curriculum Links By grade- Big Ideas- Content	<p><u>Science</u></p> <p>K-Plants and animals have observable features -adaptations of local animals</p> <p>Grade 1- Living things have features and behaviours that help them survive in their environment- names of local animals, structural features of living things in the local environment, behavioural adaptations of animals in the local environment</p> <p>Grade 2- Living things have a lifecycle adapted to their environment- Similarities and differences between offspring and parents</p> <p>Grade 3- Living things are diverse, can be grouped, and interact in their ecosystems- Biodiversity and First Nation knowledge of ecosystems</p> <p>Grade 4- All living things sense and respond to their environment- The ways organisms in ecosystems sense and respond to their environment.</p>
Inquiry Questions	How can we help the salmon come home? How do salmon find their way home to their spawning grounds from the ocean? Why are salmon considered a 'keystone species'?
Background interesting facts, "Nature Nuggets"	<ol style="list-style-type: none"> 1. Salmon can live in both fresh water and salt water. 2. Female salmon gives the male a signal to the male that she is going to release her eggs, gaping 3. Out of 5,000 Chinook salmon eggs only about an average of 2-4 eggs survive to become spawning salmon. 4. Salmon are food for 137 other animals throughout their lifecycle
Outdoor Activity	Act out the salmon lifecycle Play Hooks and Ladders or Salmon Migration game (Project Wild and Project Wet)
Links to related Resources	<ul style="list-style-type: none"> • Sockeye Salmon Journey https://www.salmonsociety.com/journey/ • Salmon Lifecycle Song https://www.youtube.com/watch?v=qV30UZ9aF04 • https://www.scienceworld.ca/resource/life-salmon/ • http://www.washingtontourist.com/salmon/index.html#links
Book list	<ol style="list-style-type: none"> 1. Sockeye Salmon Odyssey: An Illustrated Natural History by Brenda Guiled (Author) 2. Salmon Forest by David Suzuki (Author), Sarah Ellis (Author), Sheena Lott (Author) 3. The Life Cycle of a Salmon by Bobbie Kalman (Author), Rebecca Sjonger (Author)
Extension	<ul style="list-style-type: none"> • Students create a story about a salmon and the journey it makes throughout their life

Activity Ideas	<p>cycle.</p> <ul style="list-style-type: none"> • Students draw the lifecycle
Notes/Misc	<p><u>Other Salmon lifecycle videos:</u></p> <p>Lifecycle of a Salmon https://www.youtube.com/watch?v=nISoUXfJEeQ</p> <p>The Epic Journey - Follow a Salmon from Egg to Spawner. https://www.youtube.com/watch?v=nkXthUsnRz4</p> <p>I am Salmon https://www.youtube.com/watch?v=gFswGt7o_08</p> <p>The Pacific Salmon (Hinterlands Who's who) https://www.youtube.com/watch?v=Sa2qB29qvaQ</p> <p>Salmon are amazing parents https://www.youtube.com/watch?v=wtrC7rvetH0</p> <ul style="list-style-type: none"> • Wild Kratts Hero's journey Salmon Run full episode https://www.youtube.com/watch?v=vu5GI20cQUE part 1 https://www.youtube.com/watch?v=myG1-BXd4IQ Part 2 https://www.youtube.com/watch?v=sNEiE2T2uHM Hero has her babies Wild Kratts https://www.youtube.com/watch?v=kDM_Hk7Ipbw <p>Salmon Circle sung by The Wilds https://www.youtube.com/watch?v=Q_XnEMewGtA</p>