



## Gulf of Georgia Cannery NHS – School Program Machines at Work (Grade 5)

**Theme:** Machines made the process of canning salmon more efficient and less labour intensive, changing how cannery employees worked.

**Description:** Students investigate how machines work together along a 1930s to 1950s salmon canning line, including a demonstration of the working machines. Using their knowledge of simple and complex machines, students will design and draw their version of a machine that will increase the efficiency of the canning process.

**Key Messages:** When salmon canning began in BC in 1870, it was an entirely manual process. Machines made the canning process faster, safer, or less labour intensive. Now a modern canning line is an assembly line of complex machines. The six simple machines can all be found by examining the machines along the canning line.

**This 90-minute program includes:**

- Extract from Charlie Chaplin's *Modern Times* (10min)
- A canning line tour with a special focus on the technology, with a machine demonstration
- Activity of designing and drawing a complex machine to improve the canning line

**Big Idea/BC Curriculum:**

- Machines are devices that transfer force and energy.
- properties of simple machines and their force effects.
- Constructed machines: combinations of simple machines form complex machines.

**Booking notes:**

- Maximum size = up to 3 groups of 20 students at the same time

