



## **Create a Jewellery Brochure**

Instruct your students to create a brochure for Canadian jewellery customers, describing the process by which diamonds get from the ground, to jewellery stores. Where in Canada are these natural resources mined? Students could list the careers and people involved at each stage of the process.

## **Discover the Uses of Silver**

- Many batteries, both rechargeable and disposable, are manufactured with silver alloys as the cathode.
- Silver coated bearings provide the superior performance and critical margin of safety for today's jet engines.
- Silver facilitates the joining of materials (called brazing when done at temperatures above 600° Celsius and soldering when below) and produces naturally smooth, leak-tight and corrosion-resistant joints.
- Every time a homeowner turns on a microwave oven, dishwasher, washing machine, or television, the action activates a switch with silver contacts that completes the required electrical circuit.
- When Nicephore Niépce created the first photographic image obtained through a camera-like device in 1813, it was silver nitrate that made it possible. Approximately 5,000 colour photographs can be taken using one ounce of silver.
- In jewellery, silver possesses working qualities similar to gold, but enjoys greater reflectivity and can achieve the most brilliant polish of any metal.
- Silver's unique property of being virtually 100% reflective after polishing allows it to be used both in mirrors and in coatings for glass, cellophane or etals.
- Silver ions have been used to purify drinking water and swimming pool water for generations.

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