

39. Blue Box Toy

Classroom Activity: Design and build an interesting toy from recyclable materials.

Grade (s): 9 to 12

Course(s) and Strand (s): Technological Education

Exploring Technologies, Grade 9 Open

- A. Technological Design Fundamentals
- B. Technological Skills
- C. Technology, the Environment, and Society

Technological Design, Grade 10 Open

- A. Technological Design Fundamentals
- B. Technological Design Skills
- C. Technology, the Environment, and Society

Technological Design, Grade 11 University/College

- A. Technological Design Fundamentals
- B. Technological Design Skills
- C. Technology, the Environment, and Society

Technological Design and the Environment, Grade 11 Open

- A. Technological Design Fundamentals
- B. Technological Design Skills
- C. Technology, the Environment, and Society

Technological Design, Grade 12 University/College

- A. Technological Design Fundamentals
- B. Technological Design Skills
- C. Technology, the Environment, and Society

Technological Design in the 21st Century, Grade 12 Open

- A. Technological Design Fundamentals
- B. Technological Design Skills
- C. Technology, the Environment, and Society

See supplementary document Ontario Curriculum Alignment for Engineer-in-Residence Secondary Classroom Activities: Science and Technological Education for relevant overall and specific expectations.



Assessment Categories:

- Knowledge and Understanding
- Thinking
- Communication
- Team-building skills

Type of Activity: Classroom

Preparation: varies

Time needed to complete the task: varies

Materials and Resources for Teachers:

None

Materials and Resources for Students:

Students will use found materials

Activity Description:

Working in teams or individually, students will design a toy from recyclable materials. A report detailing the purpose and functioning of the toy as well as a labeled scale drawing is required. The toys are graded on their overall ingenuity, appearance, safety and salability

Tips:

The toys may be tested or judged by a group of elementary students.

As an alternative activity, all students can be provided with the same materials.