

38. Da Vinci Unplugged

Classroom Activity: Research and construct a model of one of Leonardo da Vinci's many mechanical designs.

Grade (s): 9 and 10

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

Exploring Technologies, Grade 9 Open

B. Technological Skills

C. Technology, the Environment, and Society

Technological Design, Grade 10 Open

A. Technological Design Fundamentals

B. Technological Design Skills

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/Lab Independent Studies

Preparation: varies

Time needed to complete the task: varies

Materials and Resources for Teachers:

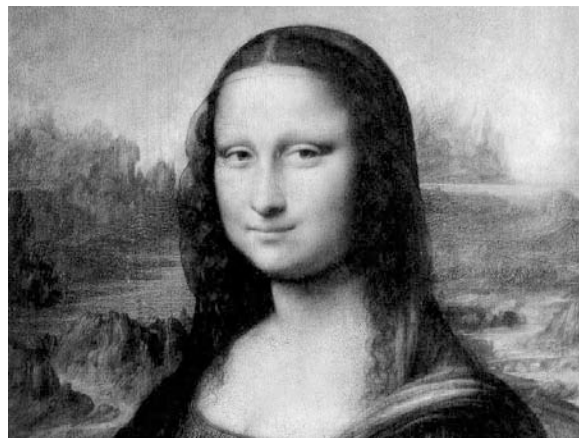
None

Materials and Resources for Students:

Students will make their projects out of found materials.

Activity Description:

Discuss the life and work of Leonardo da Vinci. Working in teams or individually, students will select one of Leonardo da Vinci's mechanical devices, research and build it. Students will prepare a report describing the device, its purpose and how it was constructed. The report should include labeled, scale drawings.



Tips:

An alternative would be for students to select the mechanical device they are to research and build by pulling names of devices from hat.