

Science Portal for Ontario Teachers

Abstract

The Science Portal for Ontario Teachers is a portal that contains ready-made as well as customizable research-based teaching aids for upper-year high school science teachers to use in their classrooms. These resources will help students make smoother transitions to post-secondary education by addressing academic skills training in research, writing, and learning. Students will gain practice in locating, analyzing, and summarizing scientific research articles from academic journals.

Link

Access the archived webpage for the [Science Portal for Ontario Teachers](#).

Note that some of the links on the archived page are no longer active. The portal is reproduced below including all materials and with working links.

Lesson Plans

(By Ontario Science curriculum subject)

Biology

- [SBI4U – Enzymes](#)
- [SBI3U – Seed Germination](#)

Chemistry

- [SCH4U – Chromatography](#)
- [SCH4U – Nanoscience](#)

Earth and Space Science

- [SES4U – Earthquakes](#)

Physics

- [SPH4U – Wave-Particle Duality](#)

Academic Skills Support Resources

Information Research

- Downloadable materials
 - [“Searching for Scientific Journal Articles”](#) module
- Links to related resources
 - [Directory of Open Access Journals](#) (DOAJ)
 - [Choose the Best Info: Why Evaluate](#) (video)
 - [What is Peer Review?](#) (video)
 - [Thinking Critically About Data](#) (video)

Writing

- Downloadable materials
 - [Student Worksheet](#)

- [“Paraphrasing”](#) module
- Links to related resources
 - [Academic Integrity](#)
 - [How to Read a Book](#) (video)
 - [How to Read an Article](#) (video)
 - [Cite Your Source: When/ Why to Cite](#) (video)

Learning

- Links to related resources
 - [A Guide for Online Learning](#)
 - [A Guide for Time Management](#)

Additional Resources for Teachers

Solution Sets

- Solutions to any of these lessons, are available from the [Science Portal for Ontario Teachers](#) in the Atrium Institutional Repository, University of Guelph.

Create Your Own Assignment

- Download the [Create Your Own Assignments for “Analyzing a Journal Article”](#)

Links to Additional Sources of Scientific Information

- University of Guelph’s [Research Magazine](#)