

Incorporating JEI in the classroom

There are several ways that JEI can be used in your classroom to provide a rich learning experience for your students:

1. JEI can primarily be used to encourage hypothesis-driven research by your students. Students can gain a great deal from the process of engaging in hypothesis-driven research, and JEI provides a forum to encourage this way of learning and allows students to publish their original work, much in the same way that professional scientists strive to do every day. Students' own research or written work can be directly submitted to JEI in the form of:

Research Articles: original research based on Individual/small group science fair-based projects or other classroom-based projects.

Letters to the Editor: short opinion pieces written by the student(s) about current science news or other exciting topics of interest

Review Articles: summaries written by the student(s) on a topic of interest that directly references current scientific articles or other reliable sources

- bacteria vs. viruses: what's the difference?
- stem cells: what are they and what can they be used for?
- yogurt and your digestive system: can bacteria be beneficial?

2. If you do not have space in your curriculum to allow students to write and submit their own work to JEI, JEI can also be used as a tool for your students to learn from other students' previously published JEI articles:

Students can be encouraged to pick a published article from JEI that looks interesting and write a short summary of the chosen article, including some future directions or questions that should still be addressed, such as:

Where could the authors have used better controls for their experiments?

What experiments should be done next?

If you had been the scientist running this project, what would you have done differently? How can this research be used in the future to improve __ (human health, the environment, etc.)__?

Why is this research important?!

With your help, we sincerely hope that this journal encourages a deep fascination and life-long interest in science in your students!