An Introduction to the CourseSource Journal and Making Your Own Collections

A BioQUEST How To Webinar
Shared 1/27/22
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This webinar provides an overview of the CourseSource Journal and demonstrates how to use “Collections” to keep track of the articles that interest you.
This webinar will address:

1. Introduction to CourseSource
2. How the articles are organized
3. An invitation to submit your teaching resources
4. What are “collections” and how can you use them
5. How to collect a CourseSource article
6. Use the mini-dashboard to access your collection
7. Visit your profile to organize your collections
8. Additional resources
Peer-reviewed, open-access journal for active learning open educational resources in biology and physics
A community that is passionate about sharing effective undergraduate biology and physics education materials.

And over 400 reviewers!
Articles in *CourseSource* are organized by courses

https://qubeshub.org/community/groups/coursesource
Cell Biology

The study of the formation, structure, components and function of cells.

Members of the American Society of Cell Biology have worked with CourseSource to create a Learning Framework for the Cell Biology Course. The table below lists the learning goals and objectives that the Society agrees any undergraduate biological sciences major should know about Cell Biology by the time they graduate.

The following people worked to develop this society-approved Cell Biology Learning Framework:

Alison Adams (Northern Arizona University), Robert Brocker (University of Minnesota), Jennifer Carney (Ringler Lakes Community College), Bradley Hyman (University of California), Michael Kyriakos (University of Colorado), Kathryn Miller (Washington University), Susan Singer (Carleton College), Kimberly Tanner (San Francisco State University), Michaela Wolsynski (Hampden-Sydney College) and Sue Wills (University of Minnesota).

Download the Cell Biology Learning Framework

Cell Biology Learning Framework

Society Learning Goals

- Membrane Structure and Function
- Nuclear Structure and Function
- Cytoskeleton Structure and Function
- Cell cycle and cell division

Articles

- A virtual laboratory on cell division using a publicly-available Image database
- Building a Model of Tumorigenesis: A small group activity for a cancer biology/cell biology course
- GMC: Genes, Mutations and Cancer - Group Concept Map Development
- Melosis A Play in Three Acts, Starring DNA Sequence
- Sex-specific differences In Meiotic Real-world applications
- Using Immunocytochemistry and Fluorescence Microscopy Imaging to Explore the Mechanism of Action of Anti-Cancer Drugs on the Cell Cycle

https://qubeshub.org/community/groups/coursesource/courses/cell-biology
Looking for resources?

Search by Course and learning goals, or with the Browse page by a long list of topics.

https://qubeshub.org/community/groups/coursesource/publications
Submit your teaching resources for publication with CourseSource!

Benefits of publishing in CourseSource:

- Promotes active learning
- Encourages new collaborations
- Evidence of commitment to high-quality teaching

CourseSource articles

- Can be listed on a C.V. (peer-reviewed publication)
- Are relevant for promotion, tenure, and job applications
- Are tracked using # of views and downloads
- Can be partnered with research articles

https://qubeshub.org/community/groups/coursesource/for_authors

CourseSource Writing studios and Faculty Mentoring Networks for new authors
The QUBES platform makes it easy for you to organize information into thematic collections that you can keep privately, share with a group, or share with the public.

What can you do with a collection?
Create a thematic collection of teaching materials

Ecology Resources
17 Posts

[Link to QUBES Hub community groups]

https://qubeshub.org/community/groups/quant_bio_online/collections/ecology-resources
Share a reading list

CREEDS Pre-Meeting Background Reading

7 Posts

https://qubeshub.org/community/groups/edsin/collections/creeds-pre-meeting-background-reading
Organize supplementary materials for a course

Amanda Braley

BIOL 205L

11 Posts

https://qubeshub.org/community/members/15866/collections/biol-205l
One of the quickest and most powerful ways to use collections is to save and organize teaching resources that interest you.
A Remote-Learning Approach to Teach Experimentation in Introductory Biology

Author(s): Thea R. Popolizio, Tess L. Killpack

Salem State University

Courses: Introductory Biology, Science Process Skills

Keywords: population growth, physiology, ecotoxicology

This remote-learning model and related e-resource for introductory biology is supported with pre-designed research projects. To enhance the accessibility for introductory students, the assignments are accompanied by an experimental design, data analysis, and concluding sections, which the assignments to be completed online. Within our particular course context, the documents are highly customizable to meet the learning objectives for other course formats, subjects, and levels.
You can access your collections through the **mini-dashboard**.
Visit your **profile** to organize your collections.
Additional Resources

CourseSource.org
CourseSource Information for Authors

QUBES Public Collections
Creating Personal Collections

Feel free to reach out
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Thanks for joining us. Please feel free to share questions and comments.

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A transformative, collaborative community empowering innovation in STEM education.