

Available Resources

from the

Organization for Physics at Two-Year Colleges

Kris Lui ✿ OPTYCs Director – AAPT
Chesapeake Section Meeting – 2025-Apr-05



What is OPTYCs?

- To create and sustain a national community
- To resurrect past successful initiatives for professional development
- To develop new professional development programs
- NSF IUSE grant: 4 years & \$3M
- Started July 1, 2022
- Administered under AAPT



Who is OPTYCs?

- 4 co-PIs + 9 Program Coordinators
- 5 Advisory Board Members
- External Evaluation Team (Goshen)

Some of the OPTYCs Team in Boston, MA. July 2024.



Co-PIs



Sherry Savrda



Dwain Beckler



Rachel Ivie

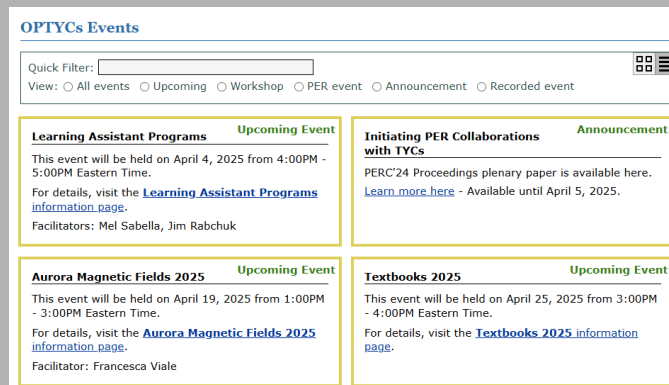


Website Landing Page



The screenshot shows the OPTYC's website landing page. At the top is the OPTYC's logo with the tagline "The Organization for Physics at Two-Year Colleges". Below the logo is a navigation bar with links: About, Events, Programs, Resources, and Collaborate. The main content area is divided into two columns. The left column has a section titled "What's Happening" with a sub-section "Upcoming Events" listing "Learning Assistants" (April 4, 2025) and "TEAM UP Scholars Program". The right column has a yellow box with the text "Get the latest TYC news, teaching tips, and useful resources in our Newsletter SPOTLIGHT." and a small image of two people in a meeting.

Events Archive



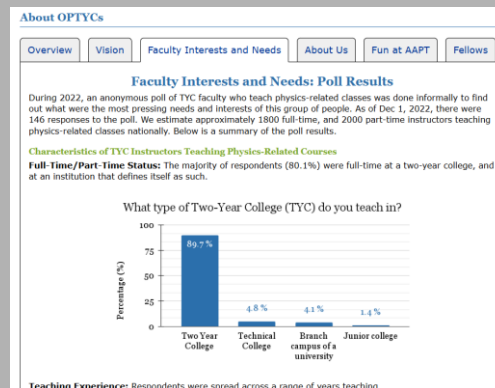
The screenshot shows the OPTYC's Events Archive page. It features a "Quick Filter" search bar and a "View" dropdown menu. The page is organized into a grid of event cards. The first card is titled "Learning Assistant Programs" and "Upcoming Event", stating the event is on April 4, 2025, from 4:00PM to 5:00PM Eastern Time, with facilitators Mel Sabella and Jim Rabchuk. The second card is titled "Initiating PER Collaborations with TYCs" and "Announcement", stating the PERC'24 Proceedings plenary paper is available until April 5, 2025. The third card is titled "Aurora Magnetic Fields 2025" and "Upcoming Event", stating the event is on April 19, 2025, from 1:00PM to 3:00PM Eastern Time, with facilitator Francesca Viale. The fourth card is titled "Textbooks 2025" and "Upcoming Event", stating the event is on April 25, 2025, from 3:00PM to 4:00PM Eastern Time.

Newsletter



The screenshot shows the OPTYC's SPOTLIGHT 2025 Issue 45 newsletter. It features a yellow header with the title "SPOTLIGHT" and a green bar with the text "OPTYC's News". The newsletter is dated March 27, 2025. It includes a section titled "Upcoming events" with a list of events: "TEAM UP Scholars Program - REU Opportunity in Illinois" (March 28, 2025), "Learning Assistants Programs" (April 4, 2025), and "Aurora Magnetic Fields 2025" (April 19, 2025).

About OPTYC's



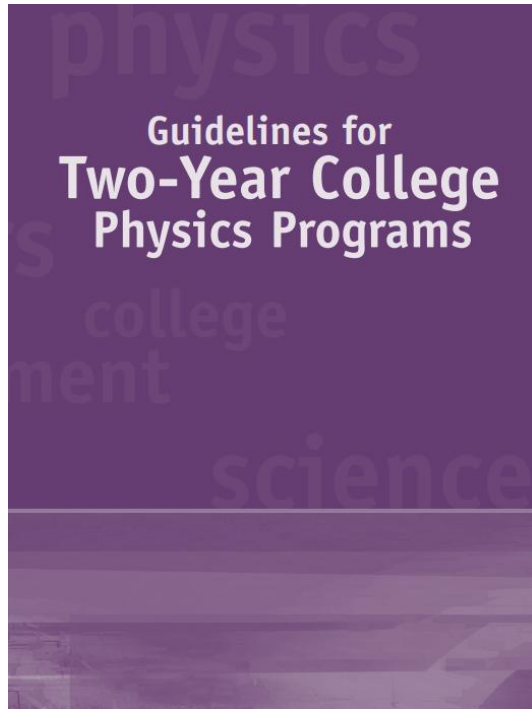
The screenshot shows the "About OPTYC's" page. It features a navigation bar with links: Overview, Vision, Faculty Interests and Needs, About Us, Fun at AAPT, and Fellows. The main content area is titled "Faculty Interests and Needs: Poll Results" and contains a bar chart showing the percentage of respondents who teach at different types of two-year colleges. The chart shows that 89.7% of respondents teach at a Two Year College, 4.8% at a Technical College, 4.1% at a Branch campus of a university, and 1.4% at a Junior college.

Two Year College (TYC) do you teach in?	Percentage (%)
Two Year College	89.7%
Technical College	4.8%
Branch campus of a university	4.1%
Junior college	1.4%



Coming Soon

Guidelines for Physics Programs at Two-Year Colleges (2nd Ed.)



Survey results about TYC physics programs, courses, faculty and students (with AIP's Statistical Research)

Latest Reports

Changes in High School Statistics, 2018 to 2023

	2018	2023	Change
National Center for Education Statistics 12 th grade enrollment	3,573,994	3,600,241	+0.4%
Number of Schools	23,692	24,179	+2.1%
Estimated number of students taking physics	1,543,000	1,532,000 (preliminary)	-0.7%
Estimated number of teachers teaching at least one physics course	27,500	28,000 (preliminary)	+1.2%

STATISTICS / REPORT

Has the number of students taking physics in US high schools declined?

STATISTICS / REPORT

Physics Graduate Student Compensation: Academic Year 2023-24

STATISTICS / REPORT

Physics Bachelors Initial Employment Booklet - Academic Years 2020-21 and 2021-22

STATISTICS / REPORT

Physics PhDs Initial Employment Booklet - Academic Years 2020-21 and 2021-22



AAPT's ComPADRE

[About](#)[COMMUNITIES](#)[Conferences](#)[Programs](#)[Publications](#)[Membership](#)[Resources](#)[Collaborators](#)[Giving](#)[Sign In](#)

Community Resources



PICUP



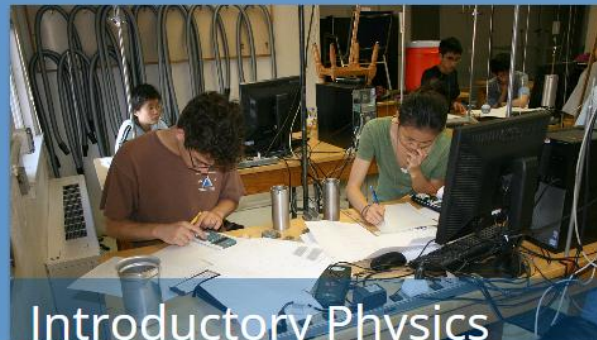
Living Physics Portal



Open-Source Physics



OPTYCs




Introductory Physics



Events & News





We envision
a future in which
TYC physics
faculty and students
THRIVE.

TYC faculty are
embraced within and
empowered by an
inclusive national
physics community.

TYC students experience
excellent evidence-based
physics instruction which
prepares them for their
future endeavors.

You do not need to be TYC-affiliated to participate



Email OPTYCs@aapt.org

Website <https://OPTYCs.aapt.org/>

YouTube <https://www.youtube.com/@optycs5337>

Newsletter <https://optycs.aapt.org/spotlight/>

Kris Lui – KLui@aapt.org

This material is based upon work supported by the
National Science Foundation under Grant No. 2212807.

