

## Newsletter

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## Moodle Training Courses

We are offering six FREE online Moodle training courses this winter. We offer Professional Growth Plan (PGP) points for each course.

### Basic Moodle for Teachers (10 PGP Points)

A basic introduction to the Moodle LMS. You will learn how to build a classroom course and populate it with files, assignments, and quizzes.

***Dates: Ongoing - Register any time!***

### Intermediate Moodle for Teachers (10 PGP Points)

A continuation from the Basic Moodle for Teachers course. Choose this course if you already have Moodle experience and would like to learn how to use some of the more advanced features like wikis, databases, lessons, and RSS feeds.

***Dates: Ongoing - Register any time!***

### Advanced Moodle for Teachers (10 PGP Points)

A continuation from the Intermediate Moodle for Teachers course. This course will take the Intermediate level course a step further as participants learn advanced grade book features, groups and groupings, conditional activities, and the workshop activity module.

***Dates: Ongoing - Register any time!***

## Moodle Training Courses

### **Crash Course Activities and Resources for Moodle (8 PGP Points)**

This course focuses on learning how to use the Moodle activities and resources to develop quality lessons for students on the online Moodle platform. Teachers will learn how to grade assignments and other activities more efficiently and provide feedback to students in a secure online environment.

***Dates: Ongoing - Register any time!***

### **Crash Course on Gradebook & Grading for Moodle (8 PGP Points)**

This course focuses on learning how to use the Moodle grade book. Teachers will learn how to add, edit, and update grade items in addition to advanced grade book topics.

***Dates: Ongoing - Register any time!***

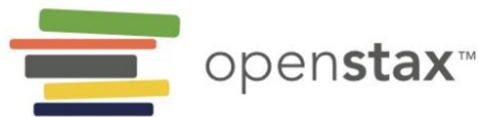
### **Crash Course on Quiz Question Types for Moodle (8 PGP Points)**

This course focuses on learning how to create and use the various Moodle quiz question types.

***Dates: Ongoing - Register any time!***

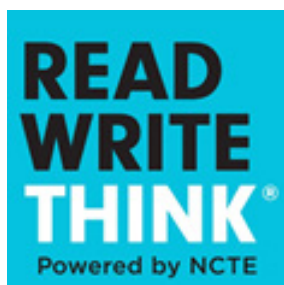
If you would like to register for a course, please log in to the [PRISM website](#) and click the 'Event Registration' link in the Main Menu on the left. Use the drop-down menu to select the appropriate course. You will see a complete description of the course. To sign up, scroll down, enter your information, and click the 'Submit Registration' button.

## Resources for Teachers



OpenStax is a project at Rice University in Houston, Texas. OpenStax publishes openly licensed textbooks, develop courseware, and establish educational partnerships that benefit educators everywhere. All textbooks are openly licensed, are peer-reviewed and 100% free for use by educators and students. There are many of the resources that are appropriate for secondary schools. Textbooks are available for all 9-12 and higher education content areas. High quality educational resources improve student access to higher education at a lower cost. There are a multitude a high-quality textbooks for high school and college level classes. Utilizing textbooks from OpenStax can significantly decrease the cost passed on to students (parents) for textbook fees. OpenStax Tutor, a courseware platform, costs only \$10 per student, and enables better learning by students and easy course creation by the instructor. With digital reading, personalized homework, a library of thousands of assessments, and LMS integration capabilities, OpenStax Tutor works well for online, hybrid, and in-person courses.

For more information: <https://openstax.org/>



ReadWriteThink has consistently been one of the most information-rich literacy resources available online since 2002. ReadWriteThink is a project of the National Council of Teachers of English (NCTE). The content on ReadWriteThink is created by a diverse group of educators who share a passion for literacy learning. Whether they are working in the classroom, the library, or the media lab, ReadWriteThink authors all have one thing in common: a passion for literacy learning. Since 2002, ReadWriteThink.org has provided literacy educators with access to an ever-growing collection of free educational materials. This includes hundreds of lesson plans, calendar resources, prints, and interactive online tools to use with online learning. Classroom resources are available for all grade levels K-12.

For more information: <https://www.readwritethink.org/>

## Resources for Teachers



GeoGebra is a dynamic mathematics software program for all levels of education. Resources are available for geometry, algebra, statistics, and calculus course content. Free digital tools include spreadsheets, a graphing calculator, tools for geometry, a collaborative whiteboard, and a variety of simulations. GeoGebra has an easy-to-use interface with many powerful features including an authoring tool to create interactive learning resources to enhance student learning and performance. Powerful math apps include graphing and scientific calculators. Math activities, simulations, comprehensive exercises and games are available for all math content areas. Excellent resources of all K-12 math teachers particularly for hybrid courses and remote learning.

For more information: <https://www.geogebra.org/>



The National Science Digital Library (NSDL) provides high quality online resources for the teaching and learning of STEM content. Most resources in the library are considered to be and adhere to the principle of being open educational resources. There are some that are restricted and may have a cost associated with use. Comprehensive resources are available for the following content areas:

Algebra	Applied Science	Calculus
Chemistry	Computing & Information	Ecology
Engineering	Forestry & Agriculture	Functions
Geometry	Geosciences	Life Sciences
Mathematics	Measurement & Data	Numbers & Operations
Physics	Physical Sciences	Ratios & Proportions
Space Sciences	Statistics & Probability	Technology Education
Trigonometry		

For more information: <https://nsdl.oercommons.org/>

## Educational Apps



photomath is a tool that will allow users to solve math problems by taking a picture of the problem that is being solved. Photomath recognizes problems ranging from basic math through calculus. Once a problem is picture is taken of a given problem, photomath provides step-by-step instructions for solving the problem. The program also provides "tips and tricks" on solving problems. Photomath makes learning math easier at home and outside of the classroom. The main objectives for the app are for student learning not cheating. Photomath promotes math learning by the fact that the program provides detailed solutions for all problems scanned into the program. The best practice is for students to attempt to do all their math problems / exercises and check their understanding by using the app. Students can also be reminded how to do a certain problem type with the app or when they are "just plain stuck" on a set of problems, the app can be used to get them on the right track. Photomath is available on Google Play and the App Store.

For more information: <https://photomath.com/en/>



Khan Academy covers all content areas including math, science, engineering, arts & humanities, history & social studies, reading & language arts and all AP courses. Khan Academy also has content appropriate for all K-12 grades levels in each content area. Khan Academy is popular among students, parents, and educators because its embedded YouTube videos are engaging and targeted at visual learners, using photos, maps, and other illustrations, and because it allows students to work at their own pace. Khan Academy Kids targets specifically children 2-7. iOS and Android apps are available 100% free at the App Store and Google Play. Using the apps, students can download videos, use the interactive exercises on Khan Academy, bookmark pages as needed and complete assignments for classes if their instructors are using Khan Academy resources.

For more information: <https://www.khanacademy.org/downloads>

## Professional Development for Teachers

**HASTI 2021 Annual Conference**  
**February 13 - 15, 2022**  
**Marriott East - Indianapolis**  
**Exhibit Hall**

Featuring sessions spanning three days and an Exhibit Hall featuring leaders in the STEM industry, the HASTI conference is the premier professional development in Indiana with networking opportunities for Hoosier science teachers.

Why attend the HASTI conference?

- Over 100 presentations and workshops. Schedule posted on Whova.
- Over 30 commercial and non-profit organizations vendors.
- Share-a-thon events for grade levels and subject areas.
- Teacher give-away room for new and beginning science teachers.
- 50th Anniversary celebration and Awards presentations - Sunday evening.
- Science Olympics - Tuesday evening.
- NETWORKING, NETWORKING, NETWORKING - Both in-person and through Whova.
- Featured Speaker - Barrington Irving, The Flying Classroom.

For more information: <https://hasti.org/>

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## What PRISM Can Do For You!

- Easily find the perfect teaching and learning resources from our library of over 5,000.
- Save a list of your favorite resources for quick retrieval.
- Create and share lesson plans that teach your subjects utilizing your favorite resources.
- Develop online classrooms with interactive assignments, lessons, quizzes and more!
- Store your classroom materials online so that they are available to you from any computer.
- Reach your students more effectively by using web media for the digital age.
- Earn PGP points by completing PRISM led online Moodle course – either Beginning Moodle or Intermediate Moodle courses are available to you at no cost several times throughout the year.
- Select from free learning resources that emphasize visualization, rich context, staged-problem solving, and electronically enabled collaboration / communication.
- Augment your own dynamic presence in the classroom with teaching tools that mirror the skills needed for success in higher education and the 21st Century workplace.

*Through our strong support from the **Lilly Endowment** and others, we are constantly growing and improving. Check our site regularly to see what new resources you can use in your classroom.*

[www.rose-prism.org](http://www.rose-prism.org)