

PD4Schools Catalog



Learning Modules

The 21st Century Learner
Designing an Interactive Classroom
Differentiation for 21st Century Learners
SMART Assessment Strategies
SMART Content Creation Seminars
Take on the Challenge
SMART Notebook and Response Basic Skills

Interactive Whiteboards

Professional Learning Options

.....
"Every Educator is a 21st Century Learner for the Achievement of Every Student."
.....

The 21st Century Learner * available as a hybrid-online course

Learning Module 424

There is growing evidence that today's students have a different relationship with information and learning than previous generations. Learn strategies for transforming your teaching practice by examining characteristics of 21st century learners, current brain research, "Habits of Mind", and Web 2.0 technologies. This learning module will also apply strategies from educational experts who offer ideas in the book, "Curriculum 21" (Heidi Jacob Hayes, editor) on how to adjust our mindsets and classroom learning environments to support our 21st century learners.

Learning Outcomes:

- Educators will examine best practices that are aligned with the needs of 21st century learners.
- Educators will implement strategies that focus on recent brain research, the Habits of Mind, and Web 2.0 technologies to create a 21st century learning environment.

In this module, you can expect to learn:

Knowledge:

- recent brain research, and how that knowledge can influence our understanding of the 21st Century learner
- the 16 Habits of Mind (*Costa and Kallick*)
- characteristics of 21st century learners: how they like to learn and how to work with their personal learning preferences for academic success
- Web 2.0 opportunities for learning

Understanding:

- how the application of recent brain research can impact teaching and learning
- how Habits of Mind will support our 21st Century learner's life-long learning skills
- why we must use technology tools that students use outside of the classroom so that learning is relevant

Skills:

- how to integrate brain-based learning strategies into lesson-planning
- how to use Web 2.0 tools to communicate and collaborate as 21st century educators
- how to engage students with Web 2.0 technology tools so that learning is relevant
- how to embed specific Habits of Mind into daily lesson activities

Guidelines and Credit:

1 semester hour Colorado State re-certification credit is offered = 15 hours.

This module may be offered as a study team, a Professional Learning Community (PLC) study as a hybrid – online class. The first and last classes in this course are face-to-face.

"I thought the class was amazing! The instructors know what participants need and how to reach all. I learned what I needed to know to get started. I am very excited to bring this year's class into the 21st Century!"

*- Naomi
5th grade teacher*

<http://www.21stcenturyclassrooms.com>

<http://www.21stcenturyclassrooms.com/learning-online.html>

"Every Educator is a 21st Century Learner for the Achievement of Every Student."

Designing an Interactive Classroom

Learning Module 425

21st century learners must be able to interact and collaborate with others when learning new knowledge and be challenged to solve problems. Research indicates that we must give students opportunities to interact with Interactive Whiteboards (IWB) to effectively engage them in the learning process. This module explores the use of interactive websites, how to design digital content for interactive instruction, and how IWB software can support 10 brain-friendly strategies for making teaching and learning interactive, memorable, and fun!

"This class was excellent! I had many questions answered. It was perfect just the way you presented it!"

*- Gail
Interventionist*

Learning Outcomes:

- Educators will embed research-based models for interaction into daily instruction to provide an engaging and collaborative learning environment.
- Educators will use strategies when using an IWB to provide hands-on interaction that will support the process of learning in any content area.

In this module, you can expect to learn:

Knowledge:

- research on models for interactive learning
- research that supports 10 brain-friendly learning strategies
- recommended websites for interactive learning

Understanding:

- how interaction supports the potential for increased student engagement
- how your IWB can support a brain-friendly learning environment

Skills:

- how to use IWB software features that support interactive learning
- how to create a Lesson Flow Chart to plan an interactive classroom
- how to make the best use of interactive websites with your IWB
- how design digital content for interactive instruction

Guidelines and Credit:

1 semester hour Colorado State re-certification credit is offered = 15 hours. This module may be offered in a variety of time blocks. Follow-up is recommended using any of the models listed in the Professional Learning Options section of this catalog.

- *Prerequisite classes: IWB Basics Level 1 or equivalent experience.
IWB Basics Level 2 or equivalent experience.*

<http://www.21stcenturyclassrooms.com>

<http://www.21stcenturyclassrooms.com/learning-online.html>

"Every Educator is a 21st Century Learner for the Achievement of Every Student."

Differentiation for the 21st Century Learner

Learning Module 426

Differentiating instruction creates multiple learning options so that students of different needs, interests, and learning styles experience equally appropriate ways to learn, apply, and create products to show understanding as a part of their daily learning process. This learning module explores how the use of an IWB, interactive websites, and Web 2.0 multimedia resources can support a differentiated learning environment in your classroom.

*"Your ability to adjust,
and differentiate
instruction is second
to none."*

*- Meg
Instructional coach*

Learning Outcomes:

- Educators will use IWB technologies and Web 2.0 resources to provide learning opportunities for students based on differentiation frameworks.

In this module, you can expect to learn:

Knowledge:

- of the framework to plan for differentiation based on interests, needs, and learning styles
- of digital resources that are available for differentiating content, process, and product
- of brain research that aligns with differentiation strategies

Understanding:

- how thoughtful planning and managing for differentiation with technology resources can support and engage our 21st century learners

Skills:

- how to design IWB lessons that include differentiation frameworks
- how to provide differentiated learning opportunities using multimedia resources and brain-friendly learning strategies

Guidelines and Credit:

1/2 semester hour or 1 semester hour for Colorado State re-certification credit is offered = 7.5 hours or 15 hours. This module may be offered in a variety of time blocks. Follow-up is recommended using any of the options listed in our PD4Schools catalog.

- *Prerequisite classes: IWB Basics Level 1 or equivalent experience.
IWB Basics Level 2 or equivalent experience.*

<http://www.21stcenturyclassrooms.com>

<http://www.21stcenturyclassrooms.com/learning-online.html>

"Every Educator is a 21st Century Learner for the Achievement of Every Student."

SMART Assessment Strategies

Learning Module 427

As the learning process should be carefully guided by individual learner needs, formative assessment should pace the instruction to guide the learner along the way. This learning module also provides techniques for pre-assessment and summative assessment strategies. Learn how to make the most of the potential of the SMART Response System. It will engage your students and help them monitor their own progress as they become more independent learners.

Learning Outcome:

- Educators will use SMART Response technologies for assessment as they monitor and adjust learning to meet the needs of all students.

In this module, you can expect to learn:

Knowledge:

- research about assessment strategies and learning targets

Understanding:

- how pre-assessment, formative and summative assessment strategies can impact academic success
- pacing instruction to monitor and adjust learning

Skills:

- how to use the SMART Response System for all types of assessment; how to use the Grade Book and reports to maximize feedback and support
- how to pace your instruction with SMART Response to monitor student progress
- how to use various models of student response to promote deeper thinking, learning, and discussion through individual and group response activities

Guidelines and Credit:

½ semester hour Colorado State re-certification credit is offered = 7.5 hours.

This module may be offered in a variety of time blocks. Follow-up is recommended using any of the models listed in the Professional Learning Options section in this catalog.

- *Prerequisite classes: Notebook Basics Level 1 or equivalent experience.
SMART Response Basics 1 or equivalent experience.*

" The instructors were well-prepared and encouraging. The curriculum and timing was well-adapted for students at all levels of computer expertise. The class was not only fun, it was exciting! Even those of us who arrived feeling a little anxious left feeling like technology All Stars!

*Kathy,
Reading Support
Specialist*

<http://www.21stcenturyclassrooms.com>

<http://www.21stcenturyclassrooms.com/learning-online.html>

"Every Educator is a 21st Century Learner for the Achievement of Every Student."

SMART Content Creation Seminar

Learning Module 428

Educators who have the support of their colleagues as they design IWB lessons for their students are likely to provide instruction that is more thoughtful, interactive, and creative. This seminar is designed for SMART Board users who are familiar with Notebook software's basic skills. Mini-sessions are offered to support intermediate and advanced Notebook skills. Plan and design lessons to add to your collection of SMART lessons for your students!

Learning Outcomes:

- Educators will use a variety of resources to find lessons, create, and share lessons with colleagues and form a Collaborative Learning Team to support their SMART instruction.

In this module, you can expect to learn:

Knowledge:

- how to find SMART lessons and online resources to use with your SMART Board.

Understanding:

- the importance of designing SMART lessons that have a balance of content, interaction, and assessment
- the benefits of designing lessons with a Collaborative Learning Team

Skills:

- Mini-sessions may be offered about any of these topics depending on participant requests:

The Activity Toolkit 2.0

Organization and Efficiency with Links, Attachments, and use of "My Content"
Dual Page Display, Pin Page, Pull Tabs

Interactivity using Object Animation, Hide and Reveal, and Erase and Reveal
Page Recorder, SMART Recorder, Tables

Guidelines and Credit:

.5 or 1 semester hour Colorado State re-certification credit is offered (7.5 or 15 hours)
This module may be offered in a variety of time blocks. Follow-up is recommended using any of the models listed in the Professional Learning Options section in this catalog.

- *Prerequisite classes: Notebook Basics Level 1 or equivalent experience.*

*"We need educators
like you supporting
teachers in learning to
make optimal use of
their SMART Boards!
The individual work
time was a precious
and treasured gift - I
thank you for this as
well as all of the good
instruction!"*

*Mary
6th grade teacher*

<http://www.21stcenturyclassrooms.com>

<http://www.21stcenturyclassrooms.com/learning-online.html>

"Every Educator is a 21st Century Learner for the Achievement of Every Student."

Take on the Challenge * available as an online course

Learning Module 429

In each of our 5 classes you will focus on a [NETS](#) Standard using free web activities, resources, videos, and readings of your choice posted on our [Take On the Challenge Blog](#). You will share your experiences as you post your learning outcomes and reflections about the learning with your students with a team of 3 - 4 colleagues online and your online coach. Create a cohort team at your school with 4 teachers and receive an additional half day at your school for coaching or working in your classroom with you and your students. (Additional fees for outside the Denver Metro area).

"This is a phenomenal class that has invaluable resources. Amazing! Can't wait to get started in my classroom."

Learning Outcomes:

- Exam pedagogical practices by exploring best practices that are aligned with 21st century educational standards.
- Implement instructional strategies that supports digital learning styles through NETS for Students (National Education Technology Standards).
- Learn new skills that compliment and support the academic learning goals for your digital learners.

Skills:

Readings in our Blog's Library: Class participants will select readings that focus on topics related to the 21st century learner and instructional strategies for the 21st century classroom.

NETS Standard 1: Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.

NETS Standard 2: Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.

NETS Standard 3: Students apply digital tools to gather, evaluate, and use information.

NETS Standard 4: Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.

Guidelines and Credit:

Take on the Challenge Class may be offered in your school/district. This module may be offered in a variety of time blocks. It is offered throughout the year as an online course for teachers who wish to join others as a cohort team. Follow-up is recommended using any of the models listed in the Professional Learning Options section in this catalog.

Create a cohort team at your school with 4 or more teachers and receive additional time at your school for coaching or working in your classroom with you and your students. (Additional fees for outside the Denver Metro area).

Notebook Basic Skills Classes

Learning Module 430

The use of a SMART Board has the potential to create a new learning environment for you and your students. Learn beginning to intermediate SMART Notebook 10 software skills to help re-design your instructional practices. Make your lessons hands-on, interactive, and collaborative!

Learning Outcomes:

- Educators will learn how to use the SMART Notebook features so that their SMART board will become a catalyst for change that is focused on interaction and collaboration skills.

In these modules, you can expect to learn:

Knowledge:

- how SMART Board technology works and how to care for your SMART Board
- how to find SMART lessons and online resources to use with your SMART Board.
- How to use SMART Response for individual and class assessments

Understanding:

- the importance of designing SMART lessons that have a balance of content, interaction, and assessment
- how the use of a SMART Board has the potential to change your classroom learning environment.

Skills:

- **Notebook Basic Skills Level 1:** * *available face-to-face and online*
 - * Notebook Toolbar: Pen Tools, Screen Shade, Objects, Adding Text
 - * Working with Pages, The Sidebar, The Property Tools
 - * The Gallery Essentials, The SMART Exchange
- **Notebook Basic Skills Level 2:** * *available face-to-face and online*
 - * The Activity Toolkit 2.0
 - * Beyond Notebook: SMART Board Tools, Ink Layer, Linking
 - * Archiving the Work: Screen Capture, Page Recorder, SMART Recorder
 - * More on Pages and Tools: Dual Page/Pin Page, Grouping Pages, Measurement tools, Shape Recognition, Transparency Screen
 - * Efficiency: My Content
- **Notebook Basic Skills Level 3:** * *available face-to-face and online*

Adding Multimedia: Linking and embedding videos, working with audio, interactive and multimedia resources

 - * Let's Get Visual: adding and working with images
 - * Let's Interact: reveal techniques, animation, pull tabs
 - * Tables: creating and editing tables
 - * Putting It All Together: Creating a lesson and Trouble Shooting Tips
- **SMART Response Basics 1:** * *available face-to-face and (online fall, 2011)*
 - * Introduction to the SMART Response Software
 - * Designing Instant, Embedded, and Question Sets
 - * Using the Teacher Tools and setting up the Grade book

Guidelines and Credit:

These Notebook Basic Skill classes are offered in your school/district as 3 separate (3.5 hour) sessions and may be customized to meet your ability levels. Follow-up is recommended using any of the models listed in the Professional Learning Options section in this catalog.

"The instructors totally honor where we are as learners. The pace of the training was perfect! We were supported by print, visual images, reinforcement, time to practice, and more.

*Karen
2nd grade teacher*

Additional Professional Learning Options:

Instructional Coaching:

Following an instructional coaching model, we can support teachers in using IWB technologies in specific content areas such as literacy, math, science, or social studies. This rich model supports individuals or small groups in planning and teaching lessons along with debriefing the process. These sessions may be embedded during the day, before or after school, and during planning times.

Team Teaching

We will enter into a teaching partnership as teachers plan and team-teach using 21st century technology tools and resources. The focus of this work will be in the pre planning and then the debriefing after the lesson. Side by side teaching provides scaffolding support for the teacher to increase their understanding, skills, and application of technology resources. This approach also allows the classroom teacher an opportunity to be an active learner during the instructional process.

Instructional Observations

This model uses a powerful professional learning tool involving classroom observations. Teachers participate in observing one another in a structured protocol in which all participants are learners. This process is most impactful when guided by shared agreements and expectations. A pre and post conference provides valuable conversation with teammates to inform and increase effectiveness of instructional practices.

Leadership Teams:

This model supports a school in developing leadership skills within the staff as mentors and/or coaches. We will work with a lead team in providing the tailored professional learning they need to build their skill set. This model builds the "in house" support to implement new practices. Follow-up coaching will also be provided to ensure school leaders have the support they need to continue to build capacity for effective 21st century learning in their school.

Video Observations

This observation model involves capturing instructional practices on video. A coach and the teacher will then view the video and discuss teaching and learning practices when using IWB technologies. Having this "balcony view" allows the teacher to step back and see the classroom from a different perspective that provides an enlightening learning experience. Seeing is believing.

Curriculum Resource Mapping

Identify a curriculum area to focus on and we will assist you in finding the IWB resources to best meet the learning objectives for your students. Together we will map out a plan to effectively integrate various IWB lessons in order to attain your curriculum goals.

Classroom Management Coaching

Using IWB technologies can present new classroom management challenges. This model supports the classroom teacher in developing management strategies to effectively and efficiently integrate IWB technologies into daily instruction.

Create Your Own Model

Do you have other ideas that can support the learning in your school? Together, let's create that learning model which is the perfect fit for you.

Evaluation of PD4Schools' Learning Modules:

These questions will be the focus of evaluating our work with you:

- What is the evidence that as a result of our professional learning activities, you learned what is necessary to begin to transform the teaching and learning in your classroom?
- What support did you receive so that you could apply your new knowledge, understanding, and skills?
- What is the evidence that you have applied what you have learned to improve your instruction and more effectively address your student's learning needs?
- What is the evidence that your learning and your students' engagement and academic achievement has increased as a result of applying the new knowledge, understanding, and skills that you learned?

PD4Schools Tuition Fees for the 2011 – 2012 School Year:

PD4Schools fees include pre-planning, professional learning implementation, program evaluation, extended resource web page for your school, and Colorado state re-certification credit if applicable.

* Tuition Fees:

\$1000 a day (with grant matching funds= **\$500 a day**)
\$500 ½ day (with grant matching funds= **\$250 ½ day**)

Refer to our website, <http://www.21stcenturyclassrooms.com/pd4schools.html> for Grant guidelines and to download the Grant application to apply for matching funds for professional learning at your school.

Refer to our Learning Online Series options at:
<http://www.21stcenturyclassrooms.com/learning-online.html>

For questions, contact us at info@21stcenturyclassrooms.com or learningonline@21stcenturyclassrooms.com

or



Center for 21st Century Classrooms
10698 East Fair Place
Englewood, Colorado 80111

<http://www.21stcenturyclassrooms.com>
<http://www.21stcenturyclassrooms.com/learning-online.html>

"Every Educator is a 21st Century Learner for the Achievement of Every Student."

About Us:

Karen Peterson

karenpeterson@21stcenturyclassrooms.com

Karen has a Bachelor of Science in Elementary Education and a Master of Science Degree in Special Education and Learning Disabilities. She is a 2010 Class member of the National Staff Development Academy. Karen has taught students grades K – 6 as a classroom teacher, learning disability specialist, librarian, and a school technology coordinator. Her district level service in Cherry Creek Schools included being a K – 12 Coordinator for the Office of Instructional Technology and the Office of Professional Learning. In those positions, she coordinated and supervised teachers participating in a district “Computers 4 Teachers” program, coordinated a 21st Century Educator Certificate program for professional learning opportunities for K – 12 teachers, and coached district Instructional Coaches. Karen has worked with the Morgridge Family Foundation grant recipients to provide professional development opportunities to support their learning with SMART technologies. She has presented sessions at a variety of state technology conferences and has presented sessions on professional learning models at the National Staff Development Council’s (Learning Forward) National Conferences. She is a graduate of the National Staff Development Academy Class of 2010. Karen is co-Director of the Center for 21st Century Classrooms.

Ann Zimmer

annzimmer@21stcenturyclassrooms.com

Ann has a Bachelor of Science in Elementary Education and a Master of Science Degree in Curriculum and Instruction with an emphasis on Computer Technology. Ann has experience as a classroom teacher in grades K - 5 and has also served as an interventionist, reading specialist, technology specialist, and librarian. Her initial work in the area of professional development was with the PEBC (Public Education and Business Coalition) as a classroom trainer. She has also served both as an Instructional Technology Coach and an Instructional Support Coach in a number of schools. At the district level in Cherry Creek Schools, Ann has taught various curriculum integration classes. She has worked with the Morgridge Family Foundation grant recipients and many additional classroom teachers to provide professional development opportunities to support their learning with SMART technologies. Ann is a graduate of the National Staff Development Academy Class of 2010 and was the recipient of the Morgridge Family Foundation 21st Century Star Educator Award in 2009. She presented “Models for Professional Learning” at the National Staff Development Council’s (Learning Forward) National Conference in December, 2010. Ann is co-Director of the Center for 21st Century Classrooms.

<http://www.21stcenturyclassrooms.com>

<http://www.21stcenturyclassrooms.com/learning-online.html>

“Every Educator is a 21st Century Learner for the Achievement of Every Student.”
