

Integrating Standards Package (45 Hours)



The courses in this online PD package help teachers integrate standards into the curriculum. The package includes easy tools to help teachers design lesson plans, assess strategies, partner with parents, and more!

The Integrating Standards Package includes 3 self-study courses (15 hours each) for a total of 45 hours of professional development.

- Implementation of Standards for All Classrooms
- Standards and Communications in Teaching
- STEM Across the Curriculum

Implementation of Standards for All Classrooms



Standards:

This course aligns to the INTASC Standards including Learner Development, Learning Environments, Content Knowledge, Application of Content, Assessment, Planning for Instruction and Instructional Strategies.

It also aligns to the McRel Teacher Evaluation Standards including Teacher Leadership, Teachers Know Content, Teachers Facilitate Learning and Teachers Analyze and Reflect.

Schools and educators across the country are experiencing challenges in implementing standards. This course is designed to provide teachers the support and confidence they need to implement standards in their classrooms.

The first section focuses on practices teachers can use to promote student motivation and self-learning while decreasing and eliminating behavior issues.

The second section helps teachers assess basic academic skills and identify areas where students need support.

The third section guides teachers on how to develop a process of reflective thinking and responsiveness to the needs and issues of students.



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Implementation of Standards for All Classrooms

Course Outline

SECTION B: Assessment Strategies

LESSON 1: Classroom Assessment Strategies

- Exploring Standards with a brief introduction
- Elaborating on different kinds of assessments including summative and formative assessments
- Connecting learning to the real world beyond classrooms

LESSON 2: The Assessment Process

- Defining and providing information on various assessment related terms, including evaluation and validity; and concepts such as sound assessment design and effective communication
- Explaining the assessment process including writing objectives and analyzing data

LESSON 3: Assessment and Evaluation Strategies

- Detailing assessment strategies regarding Reading: including before and after reading strategies and related concepts
- Analyzing in-depth the strategies relating to Mathematics: including higher order thinking, reflective prompts and self-questioning

LESSON 4: Assessment Challenges and Professional Development

- Exploring the challenges of assessments as opportunities for professional development
- Reiterating the integral part of assessments in education and providing information on available resources

Implementation of Standards for All Classrooms

Course Outline

SECTION A: Enhancing Instruction through Standards

LESSON 1: Understanding Standards

- Introduction to standards
- Integration of differentiated instruction, in response to student readiness
- Incorporation of the four models of blending learning: rotation model, flex model, a la carte model and enriched virtual model

LESSON 2: School-wide Instructional Changes

- Requirements of the standards for students leaving high school
- Analysis of the literacy components such as reading, writing, speaking & listening, and language
- Making mathematics practical with the collaboration of standards of mathematics
- School-wide steps to implement Standards in mathematics, English, and language arts
- Using extended school days, an extended school year, after-school tutoring, and multi-tiered interventions to meet the rigors of the standards

LESSON 3: Classroom Instructional Strategies

- Classroom instructional strategies that help teachers meet the standards
- Examining techniques to help students interact successfully with new knowledge
- Approaches to hypothesis generation and testing
- Application of classroom understanding to real world problems
- Ways to establish and maintain effective relationships with students

LESSON 4: Standards-based Behavior Management

- Role of teachers as behavior managers, to reinforce class-wide behavioral standards
- Understanding on-task and off-task behaviors
- Application of Response to Intervention (RTI) model
- Classroom management plan that summarizes the important routines, procedures, and consequences
- Ideas and techniques to make learning an ongoing, dynamic, and enjoyable process

Implementation of Standards for All Classrooms

Course Outline

SECTION C: Reflective Teaching Practice

LESSON 1: Introduction

- Need for reflection
- Critical attributes and attitudes of a reflective teacher
- Types of reflection
- Circle of reflection
- Levels of reflective thinking
- Are you a reflective teacher?

LESSON 2: Reflective Thinking and Application

- Developing reflective practice
- Factors that influence reflection
- Applying reflection in practice using strategies such as reframing classroom situations, action research, learning journals, logs, diaries, teaching portfolios, autobiographical narratives, storytelling, critical incident analysis, and self-observation

LESSON 3: Opportunities for Professional Growth

- Characteristics and types of job-embedded professional development
- Practicing collaborative learning using various strategies like mentoring, peer observation, coaching, and so on
- Building effective Professional Learning Communities (PLCs)
- Enhancing traditional professional development through classroom visitation, conferences, learning study, examining student work, and workshops

LESSON 4: Professional Development Plan

- Principles of PDP
- Professional development cycle
- Elements of PDP
- Step-by-step guide to write a PDP



15 Hours
of Learning



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Standards and Communications in Teaching



Standards:

This course aligns to all of the INTASC Standards including Learner Development, Learning Differences, Learning Environments, Content Knowledge, Application of Content, Assessment, Planning for Instruction and Instructional Strategies.

It also aligns to all of the McRel Teacher Evaluation Standards including Teacher Leadership, Diverse Learners, Teachers Know Content, Teachers Facilitate Learning and Teachers Analyze and Reflect.

In an age where there are multiple approaches to teaching and educating students, it becomes important to ensure that a particular standard is maintained. This course highlights various strategies for facilitating student learning and improving academic achievement.

The first section helps teachers understand more about standards-based education, while the second section equips teachers with assessment tools that help maintain these standards. Together, they will help you explore challenges in incorporating standards; as well as provide strategies to help you overcome any obstacles.

The third section helps you enhance your professional interaction and communication skills with parents.



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Standards and Communications in Teaching

Course Outline

SECTION A: Integrating Standards in Teaching

LESSON 1: Standards

- What standards are and the difference between content and performance standards
- Challenges that teachers and schools face while integrating standards
- About the standards

LESSON 2: Integrating Standards

- Integrated curriculum
- Levels of integration
- Discipline integration, combined integration, multidiscipline integration, interdisciplinary integration, trans disciplinary integration, and how these can be implemented in the classroom

LESSON 3: Impact on People, Instruction and Planning

- The teacher's role and the student's role in planning
- Procedural and conceptual knowledge
- Evaluating standards and building a framework in order to implement them
- The importance of learning objectives

LESSON 4: Principles of Assessment

- Pre-assessment
- Difference between formative and summative assessments
- Concepts related to designing and implementing assessments including backward design and testing
- Principle of authentic assessment

Standards and Communications in Teaching

Course Outline

SECTION B: Formative Assessment

LESSON 1: The Essentials

- Concepts behind and purpose of formative assessment
- Practical strategies that may be used to implement formative assessment
- Commonly used formative assessments, including teacher observation, questioning, rubrics, essays, and peer assessment
- Benefits of each strategy and how they can be used effectively

LESSON 2: Nuts and Bolts

- The process of formative assessment
- Concepts behind goal mastery
- The importance of feedback, reports, visual depiction, and celebration in formative assessment
- Designing lesson plans that integrate formative assessment

LESSON 3: Making Connections

- The role of assessment in standards-based education
- Formative and summative assessments, and the difference between the two

Standards and Communications in Teaching

Course Outline

SECTION C: Partnering with Parents

LESSON 1: Introduction

- Structure of teacher and parent partnerships across grade levels
- Common obstacles to partnership
- Dealing with some of the special challenges in the partnership process

LESSON 2: Understanding the Parent

- Parent types, learning to recognize them and applying the strategies that are suitable for that specific parent type to create successful partnerships
- Basic needs across parent types and how teachers may meet these needs

LESSON 3: Partnering Strategies

- Ways in which parents can partner, both in the school and from home
- Volunteering at school and the benefits for the student, teacher, and parent
- Volunteering opportunities available for parents in the form of academic activities, creative activities, social activities, support activities, and leadership positions
- Communication methods and strategies

LESSON 4: Building Lasting Relationships

- How the teachers' attitude and communication style can make or break the partnership relationship
- Communication is addressed in detail, especially relating to various situations such as: when there's an issue, when parents volunteer, and discussing students
- Responding to challenging situations such as parental anger, disruptive students, cheating, stealing, violence, bullying, academic issues, and lies



15 Hours
of Learning

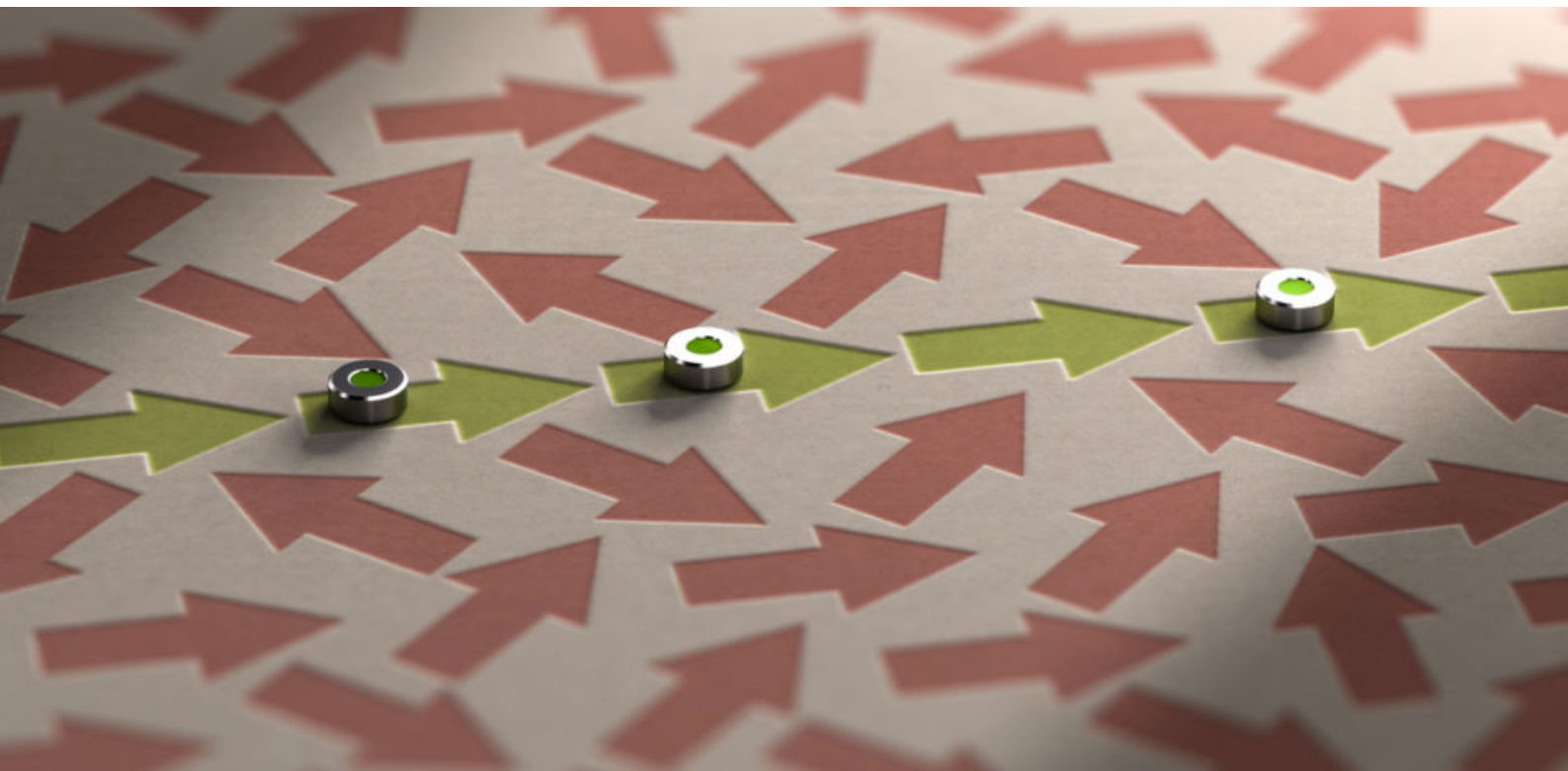


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STEM Across the Curriculum



Standards:

This course aligns to all of the INTASC Standards including Learner Development, Learning Differences, Learning Environments, Content Knowledge, Application of Content, Assessment, Planning for Instruction and Instructional Strategies.

It also aligns to all of the McRel Teacher Evaluation Standards including Teacher Leadership, Diverse Learners, Teachers Know Content, Teachers Facilitate Learning and Teachers Analyze and Reflect.

It is increasingly essential for educators to develop students who not only are critical thinkers but innovators as well. This course provides a real-world approach to learning and teaching.

The first section brings together four major disciplines into one cohesive system: Science, Technology, Engineering, and Mathematics.

The second section focuses on applying mathematical standards and principles in everyday life.

The third section introduces the concept of student centered learning in their classrooms. This learning approach allows teachers to customize and differentiate curriculum for each student.



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STEM Across the Curriculum

Course Outline

SECTION A: Standards-based Instruction through STEM

LESSON 1: Introduction

- Definition of STEM
- Need for STEM
- Three STEM program attributes and five different STEM program models

LESSON 2: Setting Up for STEM

- Characteristics of STEM students and teachers
- Understanding STEM in the context of Math and Science
- Integrating STEM into any classroom
- Choosing appropriate STEM material and curriculum

LESSON 3: STEM Standards and Assessments

- Shared standards that are internationally benchmarked
- Challenges and benefits of successful STEM assessments
- Assessments for elementary, middle, and high school classrooms
- Benefits, opportunities, and challenges of STEM integration

LESSON 4: Designing STEM PK-12 Curriculum

- Integrating STEM into elementary, middle, and high-school classrooms
- Designing STEM instruction for the year
- Writing individual STEM units using science, math, technology, and literacy standards
- Implementing effective lessons in the classroom

STEM Across the Curriculum

Course Outline

SECTION B: Mathematics for All Teachers

LESSON 1: Introduction

- History of mathematics
- The truth about math
- Discrediting the different math myths
- The solution to math anxiety

LESSON 2: Math Practices

- Mathematics redefined
- NCTM and CCSS standards related to math
- Mathematical practices and strategies to employ in the classroom

LESSON 3: Facilitating Student Learning

- Motivation theories and how to apply them in the classroom
- Different learning styles
- Understanding brain power
- Content knowledge and application

LESSON 4: Setting Up

- Math and group work
- Making connections between math and real life
- Using mathematical tools
- Encouraging persistence, providing novelty, and differentiating instruction while teaching math

STEM Across the Curriculum

Course Outline

SECTION C: Student-centered Learning

LESSON 1: Introduction

- Meaning, characteristics, and principles of Student-centered Learning
- Comparison between teacher-led and student-centered approaches
- Dispelling myths regarding student-centered classrooms
- Student-centered learning and the standards

LESSON 2: Setting Objectives and Providing Feedback in the SCL Classroom

- Developing student-centered learning objectives
- Facets of understanding
- Staying on track through learning logs
- Assessment and feedback techniques

LESSON 3: SCL Strategies for the Classroom

- Understanding the teacher's role in a student-centered classroom
- Teaching and learning methods
- Ensuring student motivation
- Classroom strategies for integrating SCL techniques

LESSON 4: Setting up for Success

- Potential of technology in key areas of learning
- Tools that enhance learning in student-centered classrooms
- Getting parents involved in learning
- Extending learning opportunities outside of school hours



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