

Standards Package (30 Hours)



The courses in this online PD package help teachers gain confidence in integrating standards into the curriculum. The package includes tools to help teachers make design curriculum that aligns to standards, break up standards, create lesson plans, design effective tests and assignments, and communicate lesson objectives and expectations clearly.

The Standards Package includes 3 self-study courses (10 hours each) for a total of 30 hours of professional development.

- Core Academic Intervention
- Integrated Curriculum
- Standards in Teaching

Core Academic Intervention



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.

Teachers play a critical role in identifying students who are struggling to learn and making targeted interventions. This is even more critical when students are exposed to higher standards in education.

This course provides educators with information about academic interventions through frameworks such as the RTI and beyond. The wealth of resources and classroom examples provided here enhances existing evaluation practices and provides effective and dynamic methods to assess students' work. The course also encourages teachers to collaborate and learn from each other.



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Quizzes

Core Academic Intervention

Course Outline

Section A: Raising Academic Achievement through Standards

LESSON 1: Standards and Academic Interventions

- Standards in education
- Differentiating between core instruction, accommodations, modifications, and interventions
- Academic interventions, classroom intervention plans, and understanding warning signals of students at risk

LESSON 2: Response to Intervention

- Response to Intervention (RTI)
- Connecting RTI and the standards
- Essential components of RTI
- Tiered interventions
- Challenges when implementing RTI

LESSON 3: Literacy Interventions

- Importance of literacy skills
- Problems students face in literacy
- Standards in English Language Arts/Literacy
- Academic interventions for struggling readers
- Academic interventions for students struggling with writing skills

LESSON 4: Math Interventions

- Importance of math
- Problems students face
- Standards in math
- RTI and math
- Specific interventions for improving math skills

Core Academic Intervention

Course Outline

Section B: Examining and Evaluating Student Work

LESSON 1: Evaluating Student Work

- Meaning of assessment and why it is needed for growth
- Considering criticism of assessment methods
- What constitutes a well-designed assessment?
- Tools of holistic assessment

LESSON 2: Effective Grading Process

- The key to consistent assessment
- Learning to grade group work
- Practical tips for handling complaints
- Creating rubrics to assist the grading process

LESSON 3: Examining Student Work

- Introduction to examining student work and research that supports it
- Drawing teachers into an inquiry-based learning experience
- Examining student work to change practice
- Turning apprehensions into learning opportunities

LESSON 4: Planning, Process and Takeaways

- Planning and carrying out ESW meetings
- Choosing appropriate student work samples
- Facilitating collaborative work
- Using protocols for smooth functioning



10 Hours
of Learning



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Resources & Tools for
Professional Learning Plans

Integrated Curriculum



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STEM education is not just about doing what's "cool" and "in." It is essential in today's world that our students learn to apply what they learn in real life situations and across different subjects. The STEM model helps prepare our students for the 21st century.

The first part is designed to equip and encourage you to integrate STEM education into your classroom and design your own standards-based STEM curriculum.

The second part helps teachers understand how to incorporate math practices into any classroom. Teachers learn how to set up their classroom in a way that increases student involvement and makes math real and fun for everyone.



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Integrated 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

Integrated 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



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Resources & Tools for
Professional Learning Plans

Standards in Teaching



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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.

This course helps teachers provide the latest educational standards in the classroom.

The first part of this course will help you understand more about standards and how you can integrate them in your classroom.

The second part of this course will focus on standards-based formative assessment, and how you can use this in your classroom. For both a student-centered and teacher-driven education model, formative assessments enable teachers to respond to the needs of the student quickly and allow the student to shape instruction.



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Quizzes

Standards 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 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



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