

Workforce Readiness Package (25 Hours)



This online professional development course package shows teachers how they can prepare students for their future careers.

The Workforce Readiness Package includes 5 self-study courses (5 hours each) for a total of 25 hours of professional development.

- Mathematics for All Teachers
- Preparing College Ready and Career Bound Students
- Project Management for Students through Project-based Learning
- Reading Across the Curriculum
- Student Portfolios

Mathematics for All Teachers



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.

Mathematics education is evolving - instead of just solving questions on paper, it's all about practical application. Math is also connected with every other subject taught in the classroom. This course will help all teachers gain confidence in integrating math effectively into their teaching practice.

Teachers will understand math practices, application of math through standards, and the different ways a teacher can enhance student learning. This course encourages teachers to set up their classroom in a way that increases student involvement and makes math real and fun for everyone.



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Quiz

Mathematics for All Teachers

Course Outline

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



5 Hours
of Learning



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Resources & Tools for
Professional Learning Plans

Preparing College and Career Ready Students



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 and Teachers Know Content.

Prepare your students for a successful college and career using a range of research-based readiness strategies. Most students aspire to go to college and make a successful career, but few know what it takes to reach their goal.

The tools, templates, and creative ideas in this course will provide the research-based support needed at every critical stage to make all the difference for success. The course will also discuss specific strategies teachers can implement to make student readiness for college and career even more meaningful and effective.



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Preparing College and Career Ready Students

Course Outline

LESSON 1: Need for College and Career Readiness

- Equipping students with the different facets of college education
- Importance of the 4 Cs: critical thinking, collaboration, communication and creativity
- Understanding technology competence
- Evaluating students for academic and technical skills

LESSON 2: Planning for College and Career Readiness

- Research on career and college readiness
- Empowering teachers with the four keys: cognitive strategies, content knowledge, learning skills and techniques, transition knowledge, and skills
- Developing the skills of entrepreneurship
- Igniting and curiosity and imagination of students

LESSON 3: Principles of Implementing CCR

- Integrating essential principles and classroom aspects
- Principles and practical strategies to prepare students for the real world
- Importance of college readiness
- Incorporating hands-on experience activities to gain an in-depth insight into actual workplaces

LESSON 4: Enhancing College and Career Resources

- Execution of the principles of Career and Technical Education (CTE)
- Implementation of Social and Emotional Learning (SEL), supported by SAFE STEM programs
- Career counselling
- Partnering with employers to indulge students in work related activities



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Project Management for Students through Project-based Learning



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

Project management encompasses a range of skills – including research, collaboration, communication, leadership, problem-solving, and cooperation. Teachers must integrate project management training into their classrooms without disrupting the curricular learning.

Keeping in mind the challenges this poses, teachers are presented with project-based learning as a means to successfully develop students' skills while simultaneously keeping the focus on topics within the curriculum.

Teachers are provided with a wide range of examples and strategies, along with an in-depth view into the effective use of projects, and an understanding of how they can influence student growth at every stage.



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Project Management for Students through Project-based Learning

Course Outline

LESSON 1: Importance of Project Management

- Exploring new concepts and strategies to facilitate student connection with real-world situations
- Research findings of project-based learning
- Principles, benefits, and rationale of project-based learning
- Transferrable skills while working with the project based learning system

LESSON 2: Planning for Successful Project Based Learning

- Basic guidelines to consider before selecting a project
- Ensuring authentic learning for students
- Effective technology use during a project
- Developing classroom culture

LESSON 3: Stages of Successful Implementation

- Stages of projects with examples for implementing
- Learning to allocate resources
- Existing project opportunities
- Common challenges and unexpected changes during a project

LESSON 4: Resources and Engagement

- Project examples with management skills to execute them
- Integrating technology in project management
- Importance of community connect for successful implementation of the project
- Funding sources and online databases that teachers can approach for grants



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Reading Across the Curriculum



Standards:

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Reading is an essential component of learning. Often, when students struggle with a specific subject matter it is because of poor reading instruction and underdeveloped reading skills.

Full of research-based reading instruction techniques, this course can be used across all content areas and grade levels to improve student achievement. Teacher learn new ideas for motivating students to read more and improve reading comprehension.

This course provides tools, exercises, and additional resources that you can use to practice new skills. Dive into the world of reading instruction and get geared up to make your students proficient readers.



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Reading Across the Curriculum

Course Outline

LESSON 1: Research

- The importance and nature of the 'reading' skill
- Language development in the early years
- Implications of different levels of daily language exposure
- How the brain processes what we already know and have experienced to develop reading skills

LESSON 2: Reading Assessments

- Diversity of students' reading abilities
- The purpose of reading assessments and components
- Common reading assessments and their usage
- Cloze and CARI to measure reading performance

LESSON 3: Basic Reading Strategies

- Basic reading strategies and accessing results
- Essential elements and traditional lesson formats
- Pre-reading, the reading process, and post-reading
- Effective ways to extend the life of the text beyond the lesson

LESSON 4: Reading Across Content Areas

- Scaffolding a common textbook to support varying reading levels using four steps
- Using different books on a common topic or learning objective to meet differing needs
- Question-Answer Relationships (QARS)
- Effectively approaching different structures of texts



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Student Portfolios



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Successfully integrate portfolios to enhance student development and become an essential part of teaching and learning.

The practical tips and suggestions provided in this course will take teachers through the process of implementing portfolios in their classrooms. The resources included show teachers how to capitalize on a student's natural tendency to save work, get them to take a second look, and critically analyze how they can improve future work.

Rich in examples, suggestions, and tips for teachers, this course aims to enhance the teaching and learning experience for students.



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Student Portfolios

Course Outline

LESSON 1: Process and Benefits

- Research on student portfolios
- Portfolio benefits and their contribution to learning
- Characteristics of the portfolio process
- Adding power to portfolios with parents as mentors
- Logistics and management of both paper and digital student portfolios

LESSON 2: Types of Portfolios

- In-depth analysis of the types of student portfolios
- Primary stages of the process, working and showcasing portfolios
- Examining the role of teachers as 'portfolio advisors'
- Potential challenges of the portfolio process, and practical tips to overcome them

LESSON 3: Digital Portfolios

- Digital portfolios and their 21st century relevance
- Types of digital portfolios and their practical implementation
- A systems approach to planning an impressive portfolio
- Examining the key aspects of effective implementation of digital portfolios
- Web tools to help students create digital portfolios

LESSON 4: Portfolio Assessment

- Benefits of portfolio assessment for both students and teachers
- Formative versus summative assessment of student work
- Implementing a scoring system with rubrics, presenting results
- Brief overview of the assessment process, focus, and criterion
- Considerations for portfolio assessment



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