

# The Art and Science of Reading



## 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.

Reading instruction requires an understanding of the mechanics, brain areas involved, and methods for training visual skills. It can be a science. Interestingly, it is also an art.

Each child is different and unique. What works for one doesn't always work for another. Personality, interests, environments, and learning styles all play a role in learning and building reading skills.

In this course, we explore both. From systematic phonics instruction, to multisensory strategies, vocabulary techniques, and content approaches, this course is full of ideas teachers can use in any classroom.



Certificate of  
Completion



100% Online



Quizzes

# The Art and Science of Reading

## Course Outline

### SECTION A: Early Reading Skills

#### LESSON 1: Language Development

- Stages of reading development
- The role of neuroscience in language development
- Reading wars and speech-language impairments
- Reading disorders and assessment for reading disorders

#### LESSON 2: Reading Disorders

- Growth mindset approach and “think-aloud” strategy
- Zone of proximal development (ZPD)
- Gradual release of responsibility
- Fostering early literacy at home and play & literacy

#### LESSON 3: Supporting Early Literacy Skills

- Purposeful conversations and vocabulary
- Academic vocabulary and narratives
- Phonological words and syllable awareness
- Rhyming, onset, rime, and phonemic awareness

#### LESSON 4: Phonics

- Letter-sound relations and keyword for each letter
- Word building and decoding words
- Letter tiles and elkonin boxes
- Sound-spelling patterns and encoding (spelling)

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## Course Outline

### SECTION B: Reading in Content Areas

#### LESSON 1: Reading Fundamentals

- What is reading comprehension
- Reading disorders
- Assessments for reading, writing, and spelling
- Reading at home and school
- Growth Mindset approach

#### LESSON 2: Reading Comprehension

- Reading development
- Strategies in building reading skills
- Working memory
- Vocabulary instruction

#### LESSON 3: Comprehension Strategies

- A Purpose for reading
- Art of questioning
- Visualization skills and inferencing
- Using self-monitoring and making predictions

#### LESSON 4: Text Structure

- Why text exists and why we read
- Graphic organizers
- Informational texts
- Digital text



10 Hours  
of Learning



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