Overview of the Science of Reading
Module Syllabus

AIM PATHWAYS

AIM Pathways is an interactive, digital, professional development platform designed to strengthen educators' knowledge and skills in the science of literacy instruction. Course content is aligned to the International Dyslexia Association's *Knowledge and Practice Standards for Teachers of Reading*. Online coursework is accessible at your convenience—24 hours a day, 7 days a week, anywhere there is an internet connection. In order to translate theoretical models into classroom practice, AIM Pathways courses are designed to follow a Learn, Practice, and Apply cycle:

- **Learn** – Participants acquire knowledge by interacting with video lectures, articles, animated videos, and more.
- **Practice** – Participants practice newly acquired knowledge through card-sorting exercises, quizzes, and surveys.
- **Apply** – Participants apply their understanding of the content to real-life simulations and case studies. These in-depth, multi-step scenarios give educational leaders a chance to hone their diagnostic and prescriptive decision-making skills for instructional programming.

MODULE DESCRIPTION

This AIM Pathways module, *Overview of the Science of Reading*, contains content specific to the "science of reading." This term refers to the research conducted by cognitive scientists, literacy researchers, and expert practitioners on how individuals learn to read. This body of knowledge has been building for decades and has helped to debunk methods of reading instruction that are based on misguided philosophies and observation, rather than evidence.

PRE- AND POST-MODULE KNOWLEDGE INVENTORY

Before starting the module, participants take a pre-knowledge inventory in order to establish a baseline of their current mastery of the content.

Upon completion of the module, participants take a post-knowledge inventory in order to assess their mastery of the content and their knowledge gains from the baseline assessment.

CERTIFICATE OF COMPLETION AND CONTINUING EDUCATION UNITS

Participants who complete the online *Overview of the Science of Reading* module will receive a certificate of completion and are eligible for 9 hours toward continuing education units (CEUs).

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***OVERVIEW OF THE SCIENCE OF READING* MODULE OUTLINE**

- ☐ Pre-Module Knowledge Inventory

- ☐ Section 1 - The Importance of Teacher Knowledge
  - ☐ Lesson 1: Teacher Knowledge Matters

- ☐ Section 2 - Oral Language: The Foundation for Written Language
  - ☐ Lesson 1: The Importance of Language Systems
  - ☐ Lesson 2: Oral and Written Language Connections

- ☐ Section 3 - Models of Proficient Reading
  - ☐ Lesson 1: Theoretical Models of Reading
  - ☐ Lesson 2: Reading Systems in the Brain

- ☐ Section 4 - Understanding Literacy Development
  - ☐ Lesson 1: Characteristics of Skilled Reading
    - ☐ Topic 1: Skilled Reading
    - ☐ Topic 2: Phases of Typical Reading Development
  - ☐ Lesson 2: Reading Difficulties
    - ☐ Topic 1: Profiles of Struggling Readers
    - ☐ Topic 2: Dyslexia

- ☐ Section 5 - Effective, Evidence-based Reading Instruction
  - ☐ Lesson 1: The Principles of Structured Literacy Instruction

- ☐ Post-Module Knowledge Inventory

A full citation and reference list is available.

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