

# Arizona *Reading Fundamentals* On Demand Academy

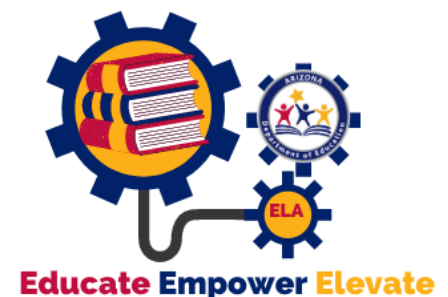
## Science of Teaching and Reading Facilitator's Implementation Guide

**Intended Use:** District, charter, and/or school leaders are encouraged to facilitate this learning as part of a school's comprehensive professional learning plan. Comprehensive professional learning plans are data driven, sustained, intensive, highly collaborative, job embedded and instructionally focused. Please use this guide to organize and prepare **prior** to educator's starting their own Arizona Reading Fundamentals OnDemand Academy knowledge blocks.

**Facilitator's Role:** The facilitator should be someone responsible for the on-going professional learning of educators, an ELA content lead, and available to plan and facilitate the learning during the learning experience throughout the school year and/or summer.

**Disclaimer:** Though the content of this knowledge block was developed and reviewed by state content experts, school leaders should facilitate learning based on the direction and guidelines of the organizational entity. Recommendations, school structures, and individual staff/students' need should be taken into consideration.

**Evidence-based:** All learning aligns with the science of reading. The science of reading is a vast, interdisciplinary body of scientifically-based research about reading and issues related to reading and writing. All content aligns with the mission and vision of the ADE English Language Arts team. The mission of the ADE ELA Team is to educate, empower, and elevate the expertise of educators and leaders in evidence-based literacy pedagogy and practices so all students in Arizona can learn to read and write proficiently. The ADE ELA team envisions every student has access to knowledgeable educators and leaders trained and confident in the best literacy practices aligned with the science of reading.



**Optional Text Companion:** Although not required, it is recommended that each participant have their own copy of this knowledge block's companion text. The text will be referenced throughout each recorded video presentation and can facilitate additional conversations and learning. This is the only cost associated with this learning and is an individual cost commitment by the school or participant. Text (hardcover or e-Book) can be purchased directly from the vendor, Brookes Publishing. Please plan accordingly so participants have their text prior to beginning their knowledge block.

**Hougen, M., Smartt, S. (2020) *Fundamentals of Literacy Instruction & Assessment Pre-K-6*.**

Each knowledge block has focus chapters and pages. Facilitators should pre-read these pages to be prepared.

- Chapter 1: Becoming an Effective Literacy Teacher, Emphasis on pages 11 and 13
- Chapter 2: Critical Components of Teaching Structured Reading, Emphasis on pages 20-21 and 26-27

**Getting started:** Each participant must register within the ADE Event Management System (EMS). Once a participant registers, all learning is available via the Blackboard Learn platform. Although learning can take place asynchronously, it is recommended that learning take place with colleagues during planned and facilitated sessions throughout the year.

**Registration:** Although bulk registration is an option in EMS, it is recommended that each participant self-register. Many educators already have an ADEConnect account, which is required to register in EMS, and it is the ADE recommendation to use a personal email. Once registered, ADE cannot change or update any errors made during registration.

**Timeline:** A knowledge block is available for participation each quarter (January-March, April-June, July-September, October-December) throughout the year. This allows the ELA team to manage the content and make modifications in Blackboard, as needed. Registration opens on the first of each month for that quarter and ends on the first of the last month. All content is due by 11:59PM on the last day of the month for that quarter. Please consider the dates when scheduling professional learning days throughout the year and instruct participants to register accordingly.

In facilitated sessions span over the course of two quarters, participants can register for the next quarter and continue where they left off.

**Learning Environment:** It is important to set the stage for uninterrupted learning and protected time and space for educators to collaborate during their learning. It is recommended that educators gather their staff during planned professional learning days/times throughout the schoolyear and/or summer.

Staff groupings can be organized in a variety of ways:

- Grade level
- Level of expertise
- Other role/responsibilities
- Student population served

**Planning:** Each knowledge block can be completed in one full PD-day or three half-days, for example. There is no one set way to facilitate this training. Please coordinate and plan what works best with your scheduled PD plan for the year.

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**Content Mastery/Knowledge Inventory:** When facilitated as intended, our educators should grow their knowledge base. To gauge the level of learning, each participant will complete a 30-question knowledge inventory at the conclusion of each knowledge block. Participants are required to pass with at least an 85% or higher and have two attempts. Of course, ongoing support and coaching is essential to ensure learning continues within the classroom and with students. Knowledge inventories should be completed independently and without assistance. Time and space to complete a knowledge inventory should be built into the facilitated professional learning. Each attempt has a 60-minute time limit and must be completed in one sitting.

**Certificates:** Once a knowledge block has been completed, and a participant has passed the knowledge inventory, each participant will be asked to complete a brief survey directly in Blackboard. Each Friday, ADE staff will mark attendance in EMS, as appropriate. Automatic **Completion Confirmation** emails will be emailed directly to the participant via the email used to register. If facilitated learning exceeds five hours, a school may award educators a certificate to cover the additional time. The ADE staff will not store or email certificates directly. It is each participant's responsibility to download and print certificates for their own recertification hours. The Arizona Department of Education does not offer continuing education units, or CEUs, in conjunction or collaboration with any university.

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**Tiered Organization:** Each knowledge block contains three parts. Each part follows the same organizational structure. Each part begins with targeted pre-activities to allow for participants to engage in the learning and build background knowledge. Then participants will watch a 20–40-minute recorded video by the ELA team. It is recommended that facilitators project the presentation within a common space. As a facilitator, pause the video when appropriate to ask questions, make connections, and apply learning to your school's current context. Following the recording, each part offers a variety of guiding questions. Questions should be facilitated for the appropriate staff members participating. Finally, there will be an additional reading, website to navigate, blog post, video, etc. to engage in as participants culminate the learning intentions for that section.

**Preparing documents:** Facilitators may wish to print all required readings, so participants can have physical documents to annotate within small groups, however all documents are available electronically in Blackboard once the course begins. It is highly recommended to preview any videos or websites required, so you can better facilitate the conversations.

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**Guidance for this knowledge block is specific to the facilitator(s)  
of this learning.**

**Continue for information on all three parts.**

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**Topic for Part 1- The Science of Reading:** Part 1 begins with a definition and overview of the science of reading and the science of teaching. This section uses brain-based research and theoretical frameworks, such as the Simple View of Reading and Scarborough's Reading Rope to understand how the brain learns to read. When we understand how the brain learns to read, we can better understand how to design instruction and assessment.

### **Part 1 Learning Intentions:**

- Define the science of reading
- Describe the body of research that tells us how reading works in the brain
- Explain the Simple View of Reading and The Reading Rope

### **Part 1 Pre-activity materials/notes:**

1. Preread the article [Science of Reading, Evidence of a New Era of Reading Instruction](#) by Laura Stewart. There are ten pages of text. Sections include: The Power of Evidence, The Development of the Reading Brain, and Orthographic Mapping.

### **Part 1 Post-activity materials/notes:**

1. Preview an interview with reading expert, Linda Farrell, on [YouTube](#).
  2. Preview the Arizona Department of Education's website: [www.azed.gov/scienceofreading](http://www.azed.gov/scienceofreading) Visit several sections that you wish your participants to focus on. You may even create a BINGO page or Scavenger Hunt for them to use as they explore the many resources on this site.
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**Topic for Part 2- The Science of Teaching:** Part 2 focuses on the **application** of the body of research known as the science of reading. Instruction which aligns with this evidence is known as structured literacy. Part 2 is an overview of the principles of structured literacy.

### **Part 2 Learning Intentions:**

- Explain and define the principles of structured literacy
- Describe the equities and inequities of literacy
- Explain and define the essential components of reading instruction

### **Part 2 Pre-activity materials/notes:**

1. Preread the article [Structured Literacy and Typical Literacy Practices, Understanding Differences to Create Instructional Opportunities](#) by Louise Spear-Swearling, 2018. There are nine pages of text. Sections focus on Key Features of Structured Literacy Approaches vs. Typical Literacy Practices.

### **Part 2 Post-activity materials/notes:**

1. Preview Nancy Young's newly revised "[Ladder of Reading & Writing](#)" infographic. A PDF Version is available on her website. Consider the [supporting research](#) that was created by IDA when the Ladder of Reading was featured in the Examiner magazine in 2017. Be prepared to discuss the similarities and/or differences across the five sources of research.
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**Topic for Part 3- Growth Mindset:** Part 3 focuses on what it takes to turn research into practice. Not only moving practice to practices that are most effective and based on research, but this section also acknowledges the difficulty in letting go of old practices refuted by research. Resources are shared to encourage ongoing engagement in learning and participation with supportive communities.

### **Part 3 Learning Intentions:**

- Describe what you can do now to implement the science of reading instruction into your classroom
- Define a variety of practices that are not effective for students and new practices that are based on the science of reading
- Describe how educators can join a variety of professional learning communities in order to continually learn and grow

### **Part 3 Pre-activity materials/notes:**

1. Preread the article [Teaching Reading \*Is\* Rocket Science, 2020](#) by Louisa C. Moats. There are 24 pages of text. Facilitators may choose to Jigsaw or Carousel this article for their group of participants.

### **Part 3 Post-activity materials/notes:**

1. Preview the resources that will be shared.
    - a. **The Right to Read Project**, [@right2readproj](#) and <https://righttoreadproject.com/>
    - b. **The Reading League – Locate The Science of Reading: A Defining Guide** <https://www.thereadingleague.org/what-is-the-science-of-reading/>
      - i. Facilitators may choose to print this free defining guide for all participants.
    - c. **The Reading League Journal** <https://www.thereadingleague.org/journal/>
    - d. **Amplify Podcast** <https://amplify.com/science-of-reading-the-podcast/>
      - i. These resources would prove to be excellent resources for ongoing support and continuous learning following this knowledge block.
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## **Credit**

All prepared pre and post activities and recorded presentations were created by the Arizona Department of Education's English Language Arts Team. All learning should be facilitated, as intended, throughout this facilitator's guide and completed in its entirety. Please do not use any portion of this knowledge block to recreate this course for personal or own professional use.

## **Acknowledgements**

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## **Thanks**

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