

# Teacher Preparation Resources

Tools and resources to meet the needs of future teachers of mathematics and ELA/literacy

## Mathematics and ELA/Literacy Resources to Support the Shifts Required by College- and Career-Ready Standards

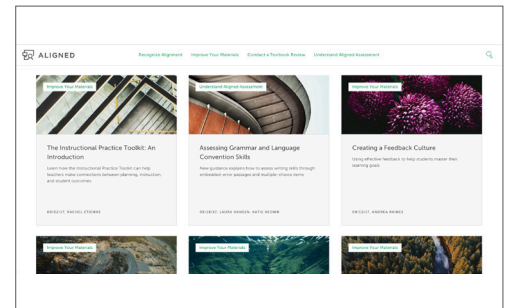
### Aligned

[achievethecore.org/aligned](https://achievethecore.org/aligned)

Aligned is a blog that features largely teacher-authored reflections on real classroom challenges and issues related to instructional content.

#### Help teacher candidates:

- Dig into a subject-specific problem of practice and discuss how to overcome this challenge.
- Discuss ways to supplement or adapt their materials once they are in the classroom.
- Reinforce their understanding of college- and career-ready materials.



### Instructional Practice Guide

[achievethecore.org/coaching-tool](https://achievethecore.org/coaching-tool)

The Instructional Practice Guide (IPG) helps teacher candidates concretely identify what content-focused, standards-aligned instructional practice looks like in the context of a lesson.

#### Help teacher candidates:

- Norm understanding of what college- and career-ready, standards-aligned instruction looks like.
- Focus on specific indicators to discuss both how the indicator supports student learning and how a teacher would address that indicator through his/her instruction
- Perform peer observation, student teaching, or self reflection.

“The IPG has been incredibly useful as we work with teams to help them “see” the shifts come alive in classrooms. One way we’ve done this is to use the IPG while watching videos of teachers. We then collectively work together to identify evidence of each of the indicators before debriefing how the IPG provided us with a lens for identifying CCSS aligned instruction.”

Sara Bokhari, Project Director, TNTP

### Shifts Professional Development Modules

<https://achievethecore.org/Shifts-PD>

The Shifts Professional Development Modules provide an introduction to the six instructional Shifts required by college- and career-ready standards.

#### Help teacher candidates:

- Engage in concrete professional learning activities that support their understanding of the Shifts for math and ELA/literacy.
- Understand how the Shifts impact instructional practice, materials, and assessment



# Recognize Aligned Assessment -- Before and After Modules and Item Alignment Modules

[achievethecore.org/ELA-shifts-assessment](http://achievethecore.org/ELA-shifts-assessment)

[achievethecore.org/math-shifts-assessment](http://achievethecore.org/math-shifts-assessment)

These modules facilitate a deep understanding of the standards, what it means to assess them, and master the key concepts.

## Help teacher candidates:

- Work backwards from the expectations of college- and career-ready standards to learn to design instruction and identify content that will help their students master the standards.
- Understand the expectations of math and ELA standards.
- See real-world examples that illustrate the difference between aligned and unaligned instruction.

Traditional Item	CCSS-Aligned Item
<p>What kind of figurative language is the phrase “tiny human insects” in paragraph 3?</p> <p>A. personification B. metaphor* C. simile D. onomatopoeia</p>	<p>Why does the author use the phrase “tiny human insects” in paragraph 3?</p> <p>A. To suggest that the lives of individuals are not considered important in Winesburg. B. To suggest the vast contrast in size between the farmland and the farmers.* C. To suggest that George’s decision to leave Winesburg will not affect his life in a significant way. D. To suggest the relative insignificance of farming as an occupation.</p>

(Grade 9 items based on a short story from *Winesburg, Ohio* by Sherwood Anderson)

RI.9.4. Determine the meaning of words and phrases as they are used in the text, including figurative and connotative meanings; analyze the cumulative impact of specific word choices on meaning and tone (e.g., how the language evokes a sense of time and place; how it adds to the formal or informal tone).

RI.9.1. Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

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# Instructional Practice Toolkit with Videos

[achievethecore.org/IPT](http://achievethecore.org/IPT)

The Instructional Practice Toolkit is a professional learning resource around a set of tools and videos that support understanding of college- and career-ready instruction.

## Help teacher candidates:

- Identify content-specific best practices by analyzing videos along with the Instructional Practice Guide.
- Discuss instruction on a specific topic -- e.g., reflect on instruction that introduces multiplication of fractions.
- Analyze lesson plans and student work through the Instructional Practice Toolkit materials.



“We guide teacher educators to examine the videos of teacher practice, and then work backwards from the video to construct learning experiences that would be necessary for a resident or teacher candidate to become successful with a specific practice.”

Jill Harvieux Pitner, Chief Innovation Officer, National Center for Teacher

Residences

# Articles/Research

[achievethecore.org/math-research](http://achievethecore.org/math-research)

[achievethecore.org/ELA-research](http://achievethecore.org/ELA-research)

These research pieces represent the underlying evidence behind college- and career-ready instructional practice strategies.

## Help teacher candidates:

- Build an understanding of the research underpinning the standards.
- Dig deeper into particular elements of standards-aligned instruction.

