

What are “College and Career Ready” Standards?

What students need to know at each grade level, and within each content strand, in order to exit high school college and career ready.

How Are the New IAS “College and Career Ready”?

EL/A

Math

- | | |
|---|-------------------------------|
| 1. More Non-Fiction Reading | 1. Less topics within a grade |
| 2. Read more challenging text | level for a deeper focus |
| 3. Use text to provide evidence and support | 2. Problem Solving Skills |
| | 3. More challenging content |

What Does it Mean to be “College and Career Ready”?

Students are ready for:

- Work
- Apprenticeship/OJT
- 2-year college
- 4-year college



WITHOUT needing remediation!

Resources

- Review the [Process Standards for Mathematics](#)
- See examples of books by genres and grade levels in the [Educators' Toolkit for Indiana's K-12 Reading Selections](#)
- Check out the Parent Resources when they are available
- Review your school websites for their resources as well

Indiana Academic Standards

In April of 2014, the Indiana State Board of Education approved the adoption of new standards for English/Language Arts and Mathematics.


These new standards are the result of a process designed to identify, evaluate, synthesize, and create high-quality, rigorous standards. They have been validated as college and career ready by the Indiana Education Roundtable, the Indiana Commission for Higher Education, the Indiana Department of Education, the Indiana State Board of Education, and the Indiana Center for Education and Career Innovation.

Students who successfully master these objectives and be able to do in Math and English/Language Arts disciplines by the time they graduate from high school will be ready to go directly into the workplace or a postsecondary educational opportunity without the need of remediation.


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 <http://www.youtube.com/user/>



The Indiana Standards 2014 for Parents and Community Organization Members



Instructional Shifts in College and Career Readiness: Strategies that Empower Teaching and Learning



What are Standards?

Standards are simple statements of what students should know or be able to do after a specific course of

- Reading
- Writing
- Vocabulary
- Concept
- Number Sense
- Computation

Standards are NOT:

- Curriculum
- Instructional Practices
- Necessarily going to address the educational needs of students who are far below
- Going to cover all aspects of what is necessary for college and career readiness

What Do the Letters and Numbers Mean for EL/A?

- RF= Reading: Foundations
- RL= Reading: Literature
- RN= Reading: Nonfiction
- RV= Reading: Vocabulary
- W= Writing
- SL= Speaking and Listening
- ML= Media Literacy

Example:

2.RF.2.1 Students are expected to build upon and continue applying concepts learned previously.

2.RF.2.1= Grade. Subject. Strand. Skill

2.RF.2.1= Second Grade, Reading Foundations, 2.1 Skill

What Do the Letters and Numbers Mean in Mathematics?

Mathematics Standards Naming Conventions

- PS= Process Standards

Five Strands:

- NS= Number Sense
- CA= Computation and Algebraic Thinking
- G= Geometry
- M= Measurement
- DA= Data Analysis



Example:

K.NS.1: Count to at least 100 by ones and tens and on by one from any number..

K.NS.1= Grade. Strand. Skill

K.NS.1= Kindergarten, Number Sense, 1.0 Skill

What Do the Letters and Numbers mean in Algebra I?

- RNE= Real Numbers and Expressions
- F= Functions
- L= Linear Equations, Inequalities and Functions
- SEI= Systems of Equations and Inequalities
- QE= Quadratic and Exponential Equations and Functions

Example:

AI.RNE.1: Understand the hierarchy and relationships of numbers and sets of numbers within the real number system.

AI.RNE.1= Subject, Strand, Skill

AI.RNE.1= Algebra, Real Numbers and Equations, 1.0 Skill

Changes in Assessing IAS:

Designing the Spring 2015 ISTEP+ Test Gr 3-8

- **ISTEP+ Part 1**
 - March Administration
 - Applied Skills (open-ended) items
- **ISTEP+ Part 2**
 - April/May Administration
 - Multiple-choice and technology enhanced items

Assessment Information and Examples:

<http://www.doe.in.gov/assessment/istep-grades-3-8>

Supporting Students:

Text Complexity Support:

Encourage your student to read
Read variety of literature

Problem Solving:

Read slowly and carefully

Use all 8 problem solving strategies—**find a pattern, make a table, work backwards, guess and check, draw a picture, make a list, write a number sentence, use logical reasoning**



How to Support:

Focus on positives
Math can be difficult but can be learned

Reading can be hard but once learned you can enjoy reading topics you enjoy