COMMON CORE + CTE = CONFIDENCE

MARCH 4, 2016

NAMES OF STANDARDS

- English Language Arts
  - CCSS/NILS: Common Core State Standards/New IL Learning Standards
- Math
  - CCSS/NILS: Common Core State Standards/New IL Learning Standards
- Science
  - NGSS: Next Generation Science Standards
- Social Studies
  - C3: College, Career, and Civic Life Framework for Social Studies

Standards are outcomes expected from students at the end of a particular course of study.

ENGLISH LANGUAGE ARTS – KEY SHIFTS

- Regular practice with complex texts and their academic language

- Reading, writing, and speaking grounded in evidence from texts, both literary and informational

- Building knowledge through content-rich nonfiction

READING ANCHOR STANDARDS

- Key Ideas and Details
- Craft and Structure
- Integration of Knowledge and Ideas
- Range of Reading and Level of Text Complexity

CTE EXAMPLES

- Informational Text – every CTE textbook, industry-related article, etc.

- Law Enforcement – police reports

- C.N.A. – nursing articles

WRITING ANCHOR STANDARDS

- Text Types and Purposes
- Production and Distribution of Writing
- Research to Build and Present Knowledge
- Range of Writing

CTE EXAMPLES

- Early Childhood – teaching reflections

- Culinary Arts – blogs

- Graphic Design – publishing work

- Research projects

LANGUAGE ANCHOR STANDARDS

- Conventions of Standard English
- Knowledge of Language
- Vocabulary Acquisition and Use

CTE EXAMPLES

- EMT – incident reports

- Law Enforcement – police reports

- Health Occupations – culture studies

SPEAKING & LISTENING ANCHOR STANDARDS

- Comprehension and Collaboration
- Presentation of Knowledge and Ideas

CTE EXAMPLES

- All shop environments – Auto Tech, Auto Body, Welding, etc.
- Graphic Design – digital media and visual displays
- PLTW – group design projects
- Culinary Arts – oral presentation of dish

KEY SHIFTS IN MATHEMATICS

- Greater **focus** on fewer topics
- **Coherence**: Linking topics and thinking across grades
- **Rigor**: Pursue conceptual understanding, procedural skills and fluency, and application with equal intensity

MATHEMATICAL PRACTICES

- Important "processes and proficiencies"
- In addition to the actual content standards for all grade levels

CTE EXAMPLES

- Welding – precision, tools

- PLTW – problem solving

- Construction – model with mathematics

- C.N.A. – math fluency with basic operations

KEY SHIFTS IN SCIENCE

- Performance – Standards are written as assessable statements of what students should know and be able to do after instruction.

- Foundations – Each performance expectation incorporates a science or engineering practice, a core disciplinary idea, and a crosscutting concept.

- Coherence – Explicitly lists connections to CCSS Math, CCSS ELA, and younger/older students' disciplinary core ideas.

- All students should be held accountable for demonstrating their achievement of all Performance Expectations (not just those in the classes HS students take)

ELEMENTS OF NGSS

- Performance Expectations
- Science and Engineering Practices*
- Disciplinary Core Ideas
- Crosscutting concepts*
- Connections

CTE EXAMPLES

- PLTW – Models, problem solving, data

- Computer Programming – Models, systems

- Sports Medicine – Structure and function

- Auto Body – Scale, proportion, quantity

UNIT TEMPLATE TOOL

A NOTE ABOUT PARCC

- Performance Based component
  - Ag example (Geometry)
  - Construction example (Geometry)
  - Health Careers example (ELA)

- Timed, computer-based assessment
  - Licensure exams?

RESOURCES

- www.achievethecore.org
- www.engageny.org
- www.corestandards.org
- www.isbe.net/ils
- www.parcconline.org