SVUSD CST Science Results and Local Assessments

November 15, 2016

What is CAASPP?

- Mix of online and paper-pencil assessments

- Smarter Balanced: online component of English Language Arts/Literacy (ELA) and Mathematics comprised of the Common Core State Standards

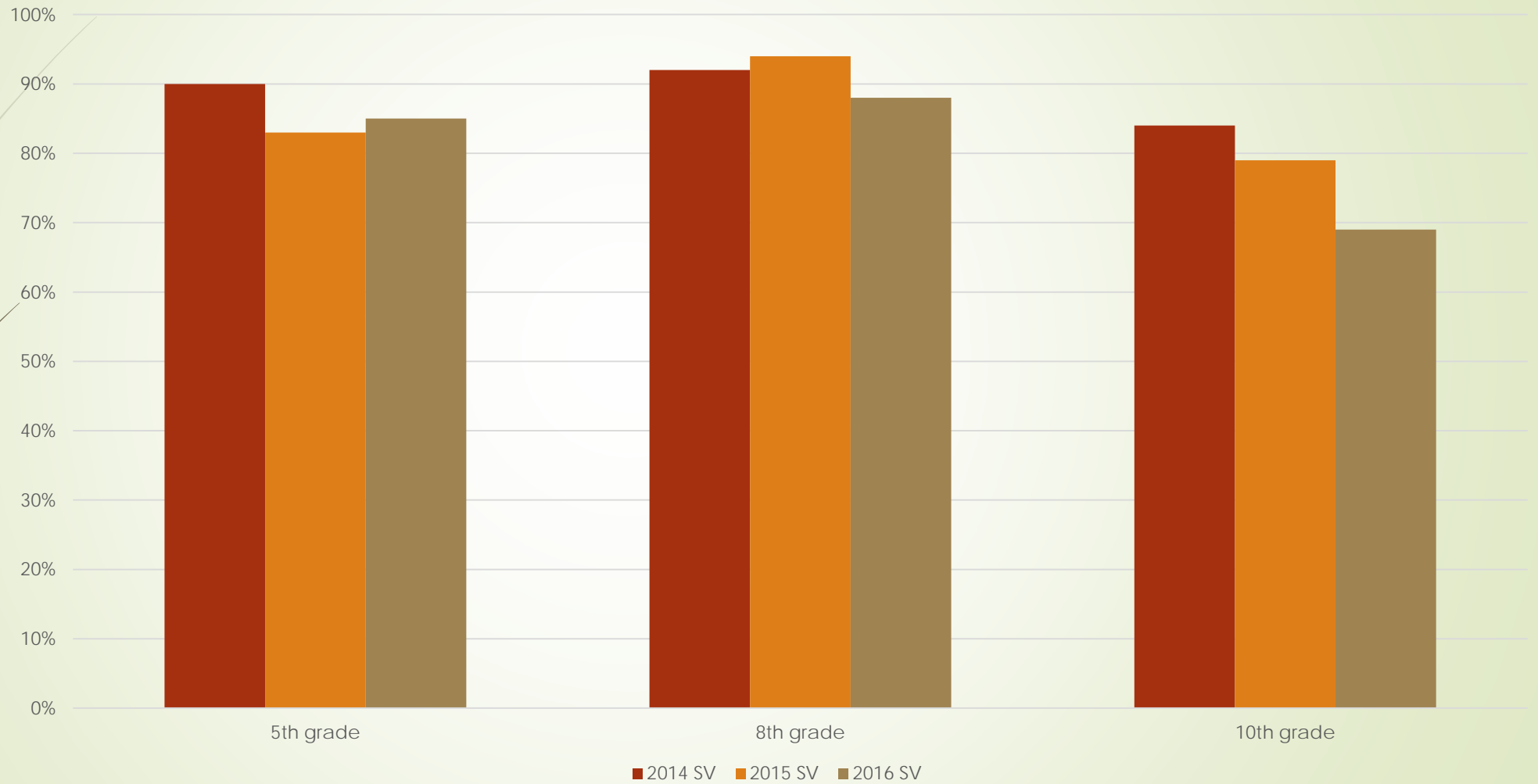- CST: paper-pencil Science component that contains the California State Standards

Who takes the California Standards Test (CST) in Science?

➡ Administered to students in grades 5, 8, and 10

How are students evaluated on the test?

➡ Advanced

➡ Proficient

➡ Basic

➡ Below Basic

➡ Far Below Basic

3 year District Comparison

3 year State and District Comparison
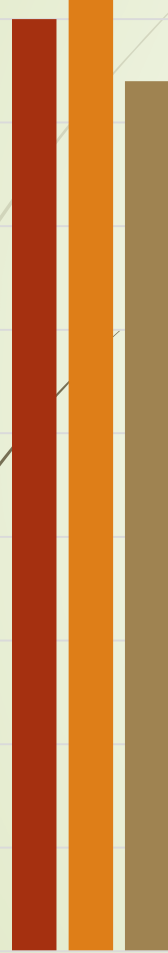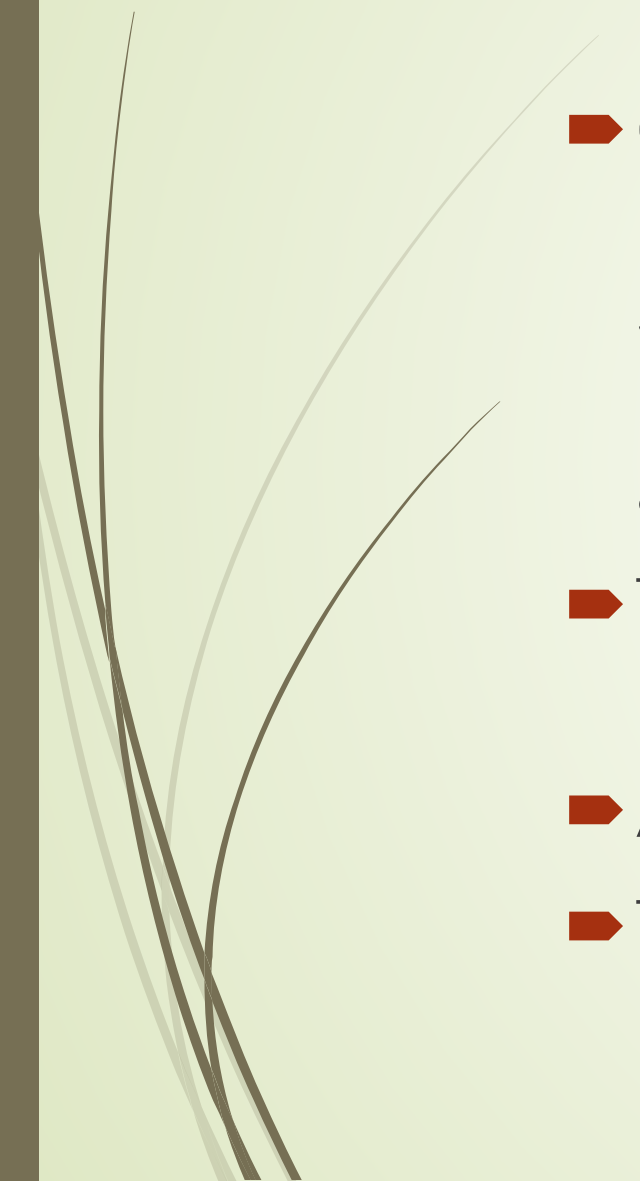
Next Generation Science Standards

- On September 4, 2013, the State Board of Education (SBE) adopted the *Next Generation Science Standards for California Public Schools, Kindergarten through Grade Twelve* (CA NGSS) as required by Education Code 60605.85.

- The Framework was taken to the board on November 2 + 3, 2016

- Assessments will be in place 2017-18

- Textbooks will follow by 2018-19

THE THREE DIMENSIONS OF SCIENCE LEARNING

Within the Next Generation Science Standards (NGSS), there are three distinct and equally important dimensions to learning science. These dimensions are combined to form each standard—or performance expectation—and each dimension works with the other two to help students build a cohesive understanding of science over time.

➤ **Crosscutting Concepts** Help students explore connections across the four domains of science, including Physical Science, Life Science, Earth and Space Science, and Engineering Design.

➤ **Science and Engineering Practices** Describe what scientists do to investigate the natural world and what engineers do to design and build systems. "Inquiry" based practices help deepen knowledge.

➤ **Disciplinary Core Ideas** Key ideas in science within or across multiple science or engineering disciplines. Build on each other as students progress through grade levels and are grouped into the four domains.
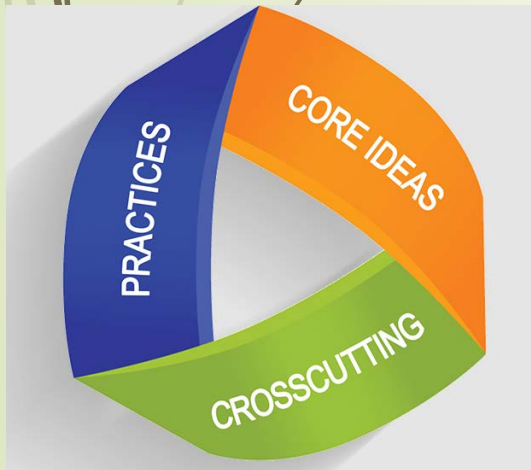
Providing Multiple Data Points Beyond State Testing

State assessments:

- Provide a general direction with focus on groups, programs, and disaggregation
- Rarely provide definitive answers, but raise many questions regarding context and practice
- Provide an entry point into a collaborative, honest conversation
- Provide a necessary story

Local Measures and Formative Assessments

➤ Good formative (benchmark) assessments provide feedback **throughout** the year

➤ Should include rich representations of the **content students are expected to master**, be connected to **specific teaching units**, provide **clear and specific feedback** to teachers so that they know how to help students improve, and **discourage narrow test-preparation strategies**.

SVUSD Assessments 2016-17

- Purchase and training in Illuminate DnA

- Formation of Assessment Committee made of grade level and department representatives K-12

- Two benchmarks each in Core Subjects: Math, ELA, Science and Social Studies/History

- One Performance Based Assessment in Math

- One District wide Writing Assessment (4 point rubric based on CCSS)

- All benchmarks will be recorded in Illuminate

Next Steps

- Assessments will be followed by site and admin team data talks

- 2017-18: Assessments included for other subjects such as Science and History

- Refinement and expansion of current assessments