



Welcome Back!

C²S² Mathematics

Session 4

Grade 7

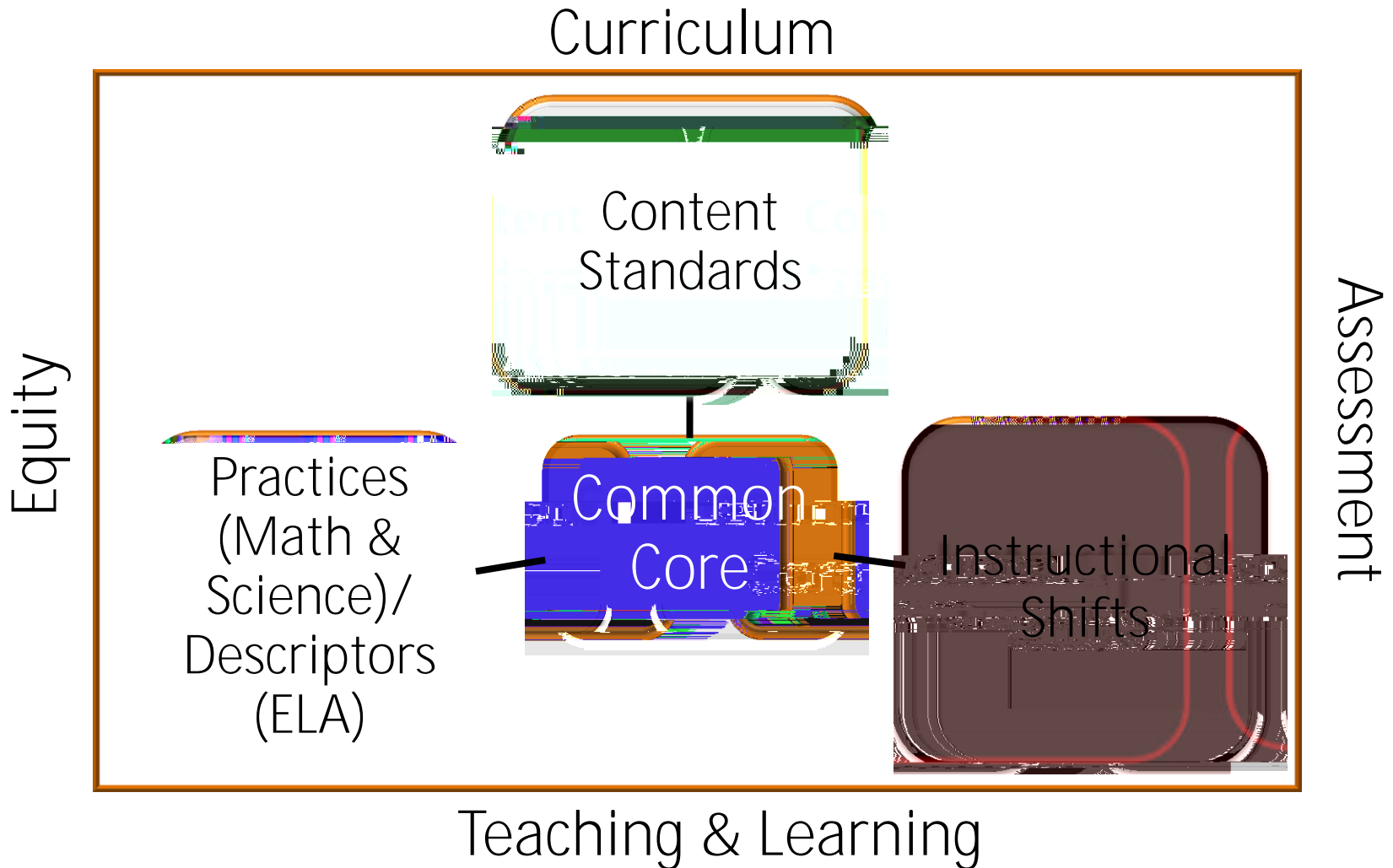


Check-In



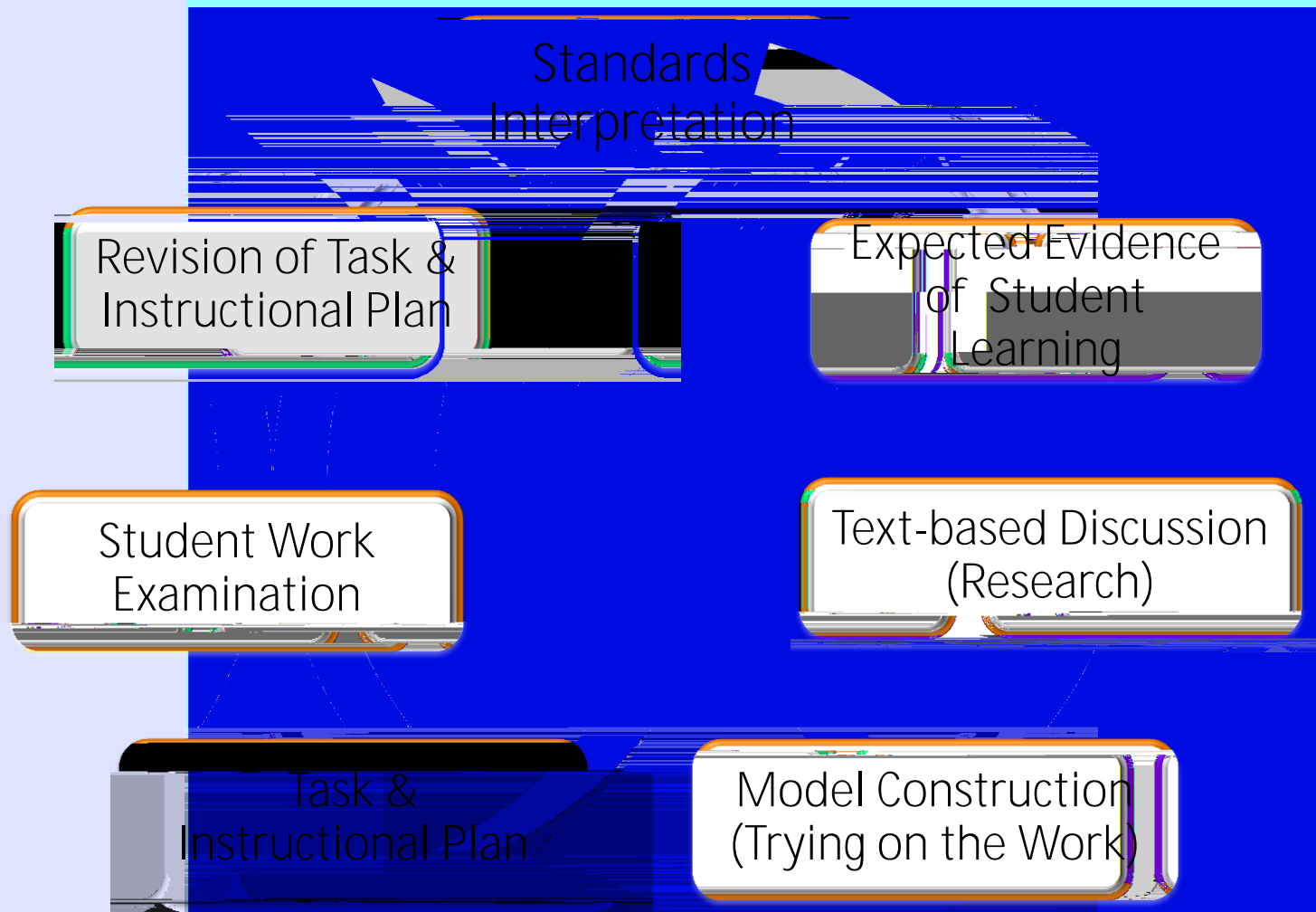


Common Core Standards Framework





Inquiry-Based Design Methodology





Agenda

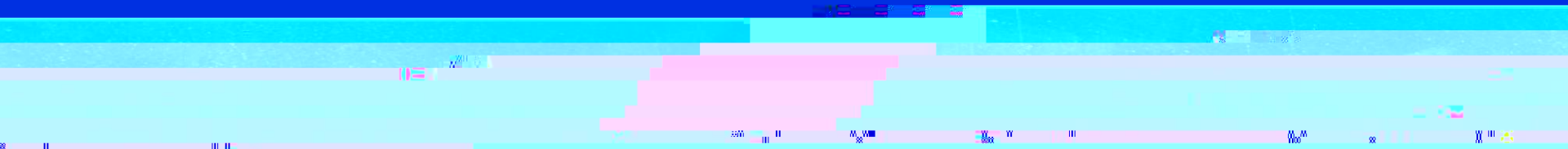
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Break (~10:15am) –

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Lunch (~11:40) –

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Reviewing Student Work







Creating a Unit of Study

- Standards Interpretation
 - Enduring Understandings
 - Knowledge and Application
- Guiding Questions
- Assessments
- Lesson Sequence
- Lesson Planning



Standards Interpretation

Grade 7

Ratios and Proportional Reasoning

Analyze proportional relationships and use them to solve real-world and mathematical problems.

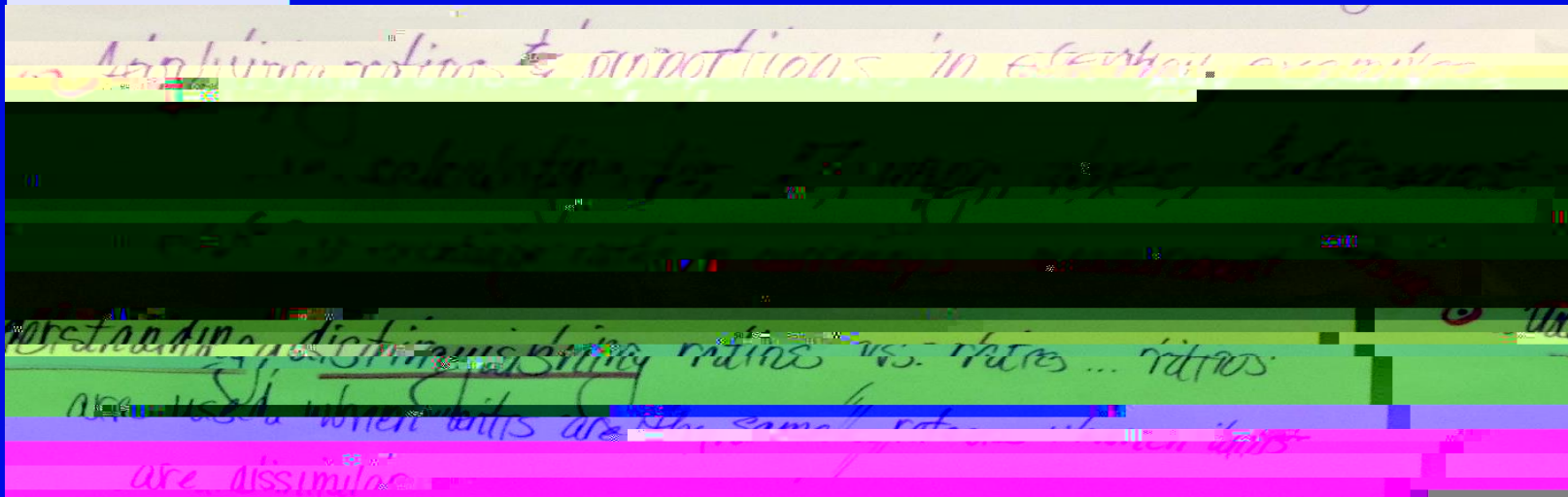
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Standards Interpretation

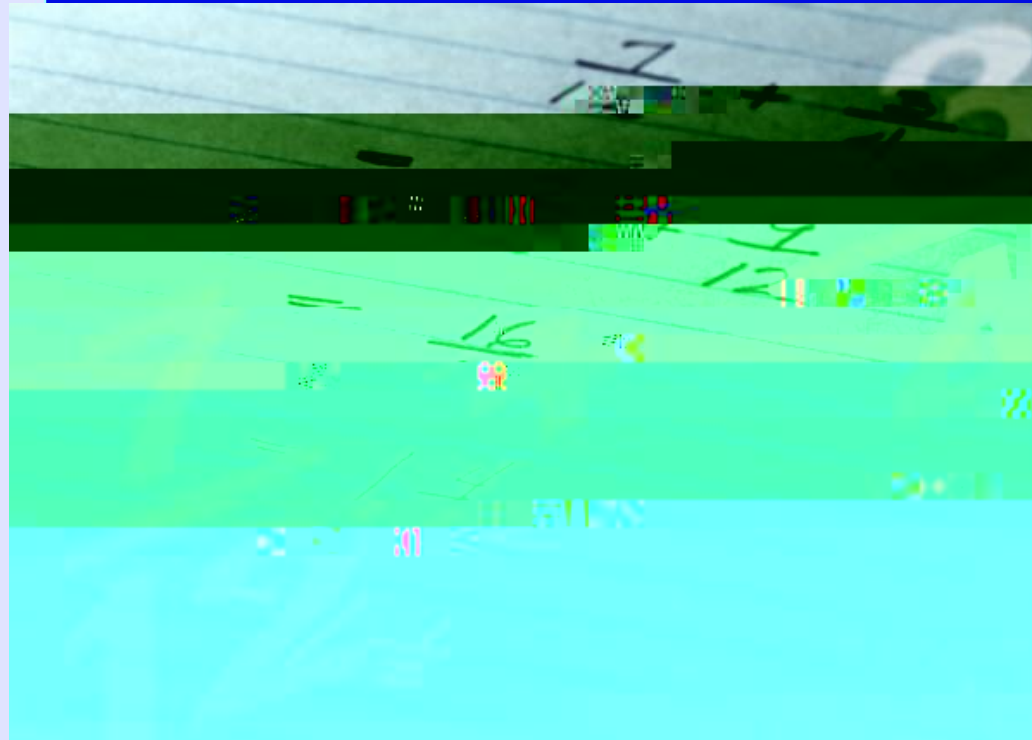
Enduring Understandings:

Your posters from Session 3 had these "Big Ideas/Enduring Understandings"





Conceptual Development

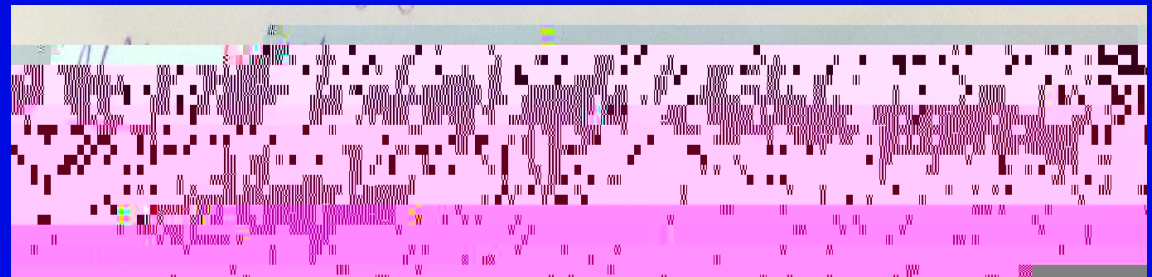
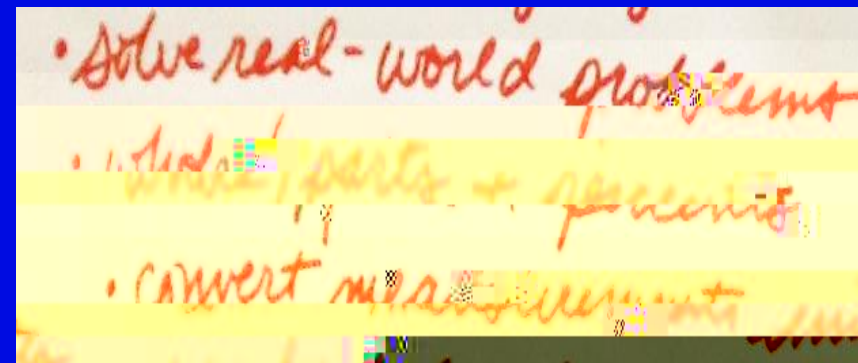
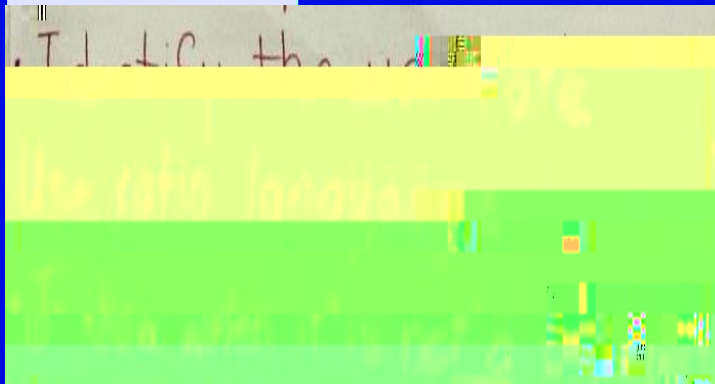




Standards Interpretation

Knowledge and Application

Your posters from Session 3 had these ideas for "Knowledge and Application"





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Break



Assessments

“Try On” the assessments

Formative Interim Assessments (Mid-Unit Checks):

- MARS 2001 Grade 7 “The Poster”
- Illustrative Mathematics: 7.RP “Robot Races”

Post-Assessment (Culminating Task):

“Photos”



Types of Lessons

What types of lessons support students conceptual understanding of ratios and proportions?

E.g.: "You-We-I" (Phil Daro's Video)



Lesson Sequence

Example

Lesson 1: Unit Rates with Like/Different Units

Students will know...

- Unit rates associated with ratios of fractions can be measured in like or different terms
- Ratios and fractions do not have identical meanings; ratios are often used to make "part-to-part" comparisons, but fractions are not.
- The roles of "for every", "for each," and "per"

Students will be able to...

- Identify unit rates in representations of proportional relationships
- Compute unit rates from pairs of rational numbers
- Make equivalent ratio tables of unit rates with complex fractions and decimals





Lunch



Lesson Planning



focus
evidence

learning experiences



District Website

Download the Lesson Planning Guide

Go to www.scusd.edu/common-core

Professional Development Dates and
Materials

Mathematics Dates and Materials

Focus or Target

Today's Date





Guidelines for Saving Your Lesson Plan



7.RP.Lesson#

7.RP.Lesson2A





District Website

- Find these units of study on our district website at www.scusd.edu/common-core
- They will be available by June 14th



Summer Institute

Sign up for the summer institute:

Grades 6-8

June 24 - 28

\$500 stipend

