

## **Mathematics:** **Deepening Understanding: Linking Preschool Learning Foundations and Kindergarten Content Standards Related to Mathematics**

<b>Strands:</b>	<i>Number Sense</i>	<i>Algebra and Functions</i>	<i>Measurement</i>	<i>Geometry</i>	<i>Mathematical Reasoning</i>
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**AFTER COMPLETING THIS ACTIVITY**

Students will demonstrate **knowledge** and **skills** that are consistent with an increased understanding and application of the concepts addressed in this activity.

**Students will demonstrate an understanding of:**

- Expectations for kindergartners, as outlined in the *California Mathematics Content Standards for California Public Schools—Kindergarten* (introductory understanding) (*Standards 1, 5, & 6*)\*
- Expectations for preschool children, as described in the mathematics domain of the PLF, V1, including strands, substrands, and foundations (*Standards 1, 5, & 6*)\*
- Similarities and differences in expectations for children’s developing knowledge and skills in math (*Standards 1 & 5*)\*

**Students will be able to:**

- Critically review the foundations in mathematics to understand expectations for preschool children at or around 48 and 60 months of age or at the end of their first or second year of preschool and when in a high quality preschool program with adequate support for English learners or special needs (*Standards 1, 5, & 6*)\*
- Critically review the *California Mathematics Content Standards for California Public Schools—Kindergarten* to understand expectations for preschool children (*Standards 1, 5, & 6*)\*
- Identify and discuss similarities and differences in expectations for children’s development and engagement with math (*Standard 5*)\*

\* See Appendix A

## ***Mathematics:***

### **Deepening Understanding: Linking Preschool Learning Foundations and Kindergarten Content Standards Related to Mathematics**

#### ***Before you start***

In this project, students become familiar with the California Department of Education's *Mathematics Content Standards for California Public Schools—Kindergarten*. You may want to remind students that they can download the standards on the California Department of Education's Web site: <http://www.cde.ca.gov/be/st/ss/>.

#### **Deepening understanding**



Slides 2-3

Review California Department of Education's *Mathematics Content Standards for California Public Schools—Kindergarten*.

Ask students to write a reflection paper relating to:

- What are the differences in expectations for preschool and kindergarten students relating to math skills and concepts?
- What is the rationale for these differences?
- What are some ways that their engagement with math would be the same and/ or different?