

# Mathematics

## Transitional Kindergarten and Beyond

**CSU Transitional Kindergarten Pre-Service Preparation Project**  
**Supported by the David and Lucile Packard Foundation**  
**California State University, Fullerton**  
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## Overview

- The entire module should take approximately 3 hours and 10 minutes including activities. Consider completing the module in short blocks of time.
- There are optional extensions at the end of the module. Check with your instructor to determine whether to complete this work.

## Outcomes

*As a result of participating in this module, you will be able to:*

- Determine the connection between the Preschool Framework and the Common Core State Standards
- Determine the teacher's role in the classroom and effective teaching strategies for TK
- Locate the TK work in the larger TK-8 context
- Identify ways to integrate math across the curriculum and to promote social-emotional development
- Understand the role of “play” in learning

## Module Activities

*In this module you will:*

- Examine the Preschool Framework and the Common Core State Standards for Kindergarten.
- Observe or view a TK math lesson
- Share your thoughts and observations through online postings or in-class discussions. Your instructor will indicate which method to use.

## California Context/Standards

- Transitional kindergarten (TK) works toward the Kindergarten standards (TK does not have its own set of standards).
- Standards from the Preschool Framework as well as Common Core Standards for kindergarten must be considered when teaching in a TK classroom.
- Module activities 2-4 will help you understand this context.
- A note taking guide (as below) will help you organize the information

	PS Framework	CCSS - K
Document Organization		
Age Groups		
Effective Strategies		
Areas Addressed		
Role of Play		

## Understanding Mathematics Instruction

- Many would argue that effective teaching strategies are effective across all grade levels. Keep this in mind as you work through this module. Think about whether and how strategies and tools such as manipulatives, groupings, lesson structure, etc. would change from TK-8.
- Module activity 6 will give you an opportunity to explore this notion through classroom or video observations.

## Integration Across the Curriculum

Module activity 7 will ask you to consider how math can help with development across the curriculum including:

- Social Studies
- Art
- Science
- Language and Literacy
- Social-emotional development

## Reflection

In the final section, you will demonstrate your understanding of the module through a series of discussion questions. This section may be completed online or in class. Check with your instructor.



# Resources

- The Alignment of California Preschool Learning Foundation with Key Early Education Resources <http://www.cde.ca.gov/sp/cd/re/documents/psalignment.pdf>
- California preschool curriculum Framework Volume 1 <http://www.cde.ca.gov/sp/cd/re/documents/psframeworkkvol1.pdf>
- CCSS for mathematics <http://www.cde.ca.gov/re/cc/mathresources.asp>
- Orange County Department of Education <http://www.ocde.us/SEED/Pages/Transitional-Kindergarten.aspx>
- TK California <http://www.tkcalifornia.org/>
- National Association for Education of Young Children <http://www.naeyc.org/play>
- *Engaging Young Children in Mathematics: Standards for early Childhood Mathematics Education* by Clements & Sarama
- *Increasing the Power of Instruction: Integration of Language, Literacy, and Math Across the Day* by Schickedanz

For additional information please visit <http://teachingcommons.cdl.edu/tk/> or contact Dr. Kim Norman, CSU TK Project Director, at [knorman@fullerton.edu](mailto:knorman@fullerton.edu).