

Student Learning Outcomes and CAP Lower Division Eight Courses Mapped onto the *Instructional Guide for the California Preschool Curriculum Framework, Volume 1*

Unit 6 – Mathematics

Unit 6

Getting Ready for the Unit and Connecting to Experience

Course: Introduction to Curriculum

Student Learning Outcomes:

- Investigate and apply developmentally appropriate principles and teaching strategies to positively influence all young children's development and acquisition of knowledge and skills.
- Compare and contrast play-based curriculum that supports children's cognitive, language, creative, physical and social/emotional development.

Objectives:

- Define and apply constructivist theory in curriculum planning for young children.
- Identify key ways in which the environment functions as an essential component of curriculum.
- Observe and document children at play and propose appropriate activities and possibilities for expanding children's learning in a variety of curriculum areas.

Course: Principle and Practices of Teaching Young Children

Student Learning Outcomes:

- Examine the value of play as a vehicle for developing skills, knowledge, dispositions, and strengthening relationships among young children.
- Analyze the relationship between observation, planning, implementation and assessment in developing effective teaching strategies and positive learning and development.

Course: Observation and Assessment

Student Learning Outcomes:

- Demonstrate systematic observation methods to provide data to assess the impact of the environment, interactions and curriculum on all domains of children's learning and development.

Objectives:

- Use observation tools to identify quality in play-based environment, curriculum, and care routines (e.g., ECERS-R, ELLCO).

Course: Practicum: Field Experience

Student Learning Outcomes:

- Evaluate the effectiveness of an early childhood curriculum, classroom, teaching strategies and how teachers involve families in their children's development and learning to improve teaching practices for all children.
- Critically assess one's own teaching experiences to guide and inform practice.

Objectives:

- Demonstrate strategies to integrate content areas and opportunities for development in all domains across the curriculum.

Unit 6 – Key Topic 1

Organization and Rationale of the Mathematics Domain

Course: Introduction of Curriculum

Student Learning Outcomes:

- Evaluate the teachers' role in providing best and promising practices in early childhood programs.

Objectives:

- Design and evaluate age-appropriate learning activities and materials for children ages 0-6 in curriculum content areas such as: the arts, math, science, social studies, language, and literacy.
- Use written curriculum plans to demonstrate familiarity with appropriate materials, equipment, and curriculum planning principles that support optimum learning and development in young children.
- Construct curriculum and environments that support the physical, cognitive, and social/emotional development, including socialization, self-regulation, self-help skills for all children.

Course: Principle and Practices of Teaching Young Children

Objectives:

- Describe adaptations (programmatic, curricular and environmental strategies) needed to support children with diverse abilities and characteristics.
- Identify and compare effective policies, practices, and environments in early childhood settings.

Course: Observation and Assessment

Student Learning Outcomes:

- Demonstrate systematic observation methods to provide data to assess the impact of the environment, interactions and curriculum on all domains of children's learning and development.

Course: Observation and Assessment – Continued

Objectives:

- Illustrate the use of observation and assessment to implement curriculum and environmental changes in support of both group and individual needs.

Course: Practicum-Field Experience

Student Learning Outcomes:

- Integrate understandings of children’s development and needs to develop and maintain healthy, safe, respectful, supportive and challenging learning environments for all children.
- Evaluate the effectiveness of an early childhood curriculum, classroom, teaching strategies and how teachers involve families in their children’s development and learning to improve teaching practices for all children.

Objectives:

- Demonstrate strategies to integrate content areas and opportunities for development in all domains across the curriculum.

Unit 6 – Key Topic 2

Getting to Know Environment and Materials That Support the Domain

Course: Introduction of Curriculum

Student Learning Outcomes:

- Evaluate the teachers’ role in providing best and promising practices in early childhood programs.

Objectives:

- Design and evaluate age-appropriate learning activities and materials for children ages 0-6 in curriculum content areas such as: the arts, math, science, social studies, language, and literacy.
- Use written curriculum plans to demonstrate familiarity with appropriate materials, equipment, and curriculum planning principles that support optimum learning and development in young children.
- Construct curriculum and environments that support the physical, cognitive, and social/emotional development, including socialization, self-regulation, self-help skills for all children.

Course: Principle and Practices

Objectives:

- Describe adaptations (programmatic, curricular and environmental strategies) needed to support children with diverse abilities and characteristics.
- Identify and compare effective policies, practices, and environments in early childhood settings.

Course: Observation and Assessment

Student Learning Outcomes:

- Demonstrate systematic observation methods to provide data to assess the impact of the environment, interactions and curriculum on all domains of children’s learning and development.

Objectives:

- Illustrate the use of observation and assessment to implement curriculum and environmental changes in support of both group and individual needs.

Course: Practicum-Field Experience

Student Learning Outcomes:

- Integrate understandings of children’s development and needs to develop and maintain healthy, safe, respectful, supportive and challenging learning environments for all children.
- Evaluate the effectiveness of an early childhood curriculum, classroom, teaching strategies and how teachers involve families in their children’s development and learning to improve teaching practices for all children.

Objectives:

- Demonstrate strategies to integrate content areas and opportunities for development in all domains across the curriculum.

Unit 6 – Key Topic 3

Getting to Know Interactions and Strategies That Support the Domain

Course: Introduction of Curriculum

Student Learning Outcomes:

- Evaluate the teachers’ role in providing best and promising practices in early childhood programs.

Objectives:

- Design and evaluate age-appropriate learning activities and materials for children ages 0-6 in curriculum content areas such as: the arts, math, science, social studies, language, and literacy.
- Use written curriculum plans to demonstrate familiarity with appropriate materials, equipment, and curriculum planning principles that support optimum learning and development in young children.
- Construct curriculum and environments that support the physical, cognitive, and social/emotional development, including socialization, self-regulation, self-help skills for all children.

Course: Principle and Practices of Teaching Young Children

Objectives:

- Describe adaptations (programmatic, curricular and environmental strategies) needed to support children with diverse abilities and characteristics.
- Identify and compare effective policies, practices, and environments in early childhood settings.

Course: Observation and Assessment

Student Learning Outcomes:

- Demonstrate systematic observation methods to provide data to assess the impact of the environment, interactions and curriculum on all domains of children’s learning and development.

Objectives:

- Illustrate the use of observation and assessment to implement curriculum and environmental changes in support of both group and individual needs.

Course: Practicum-Field Experience

Student Learning Outcomes:

- Integrate understandings of children’s development and needs to develop and maintain healthy, safe, respectful, supportive and challenging learning environments for all children.
- Evaluate the effectiveness of an early childhood curriculum, classroom, teaching strategies and how teachers involve families in their children’s development and learning to improve teaching practices for all children.

Objectives:

- Demonstrate strategies to integrate content areas and opportunities for development in all domains across the curriculum.

Unit 6 – Key Topic 4

Universal Design, Individualizing, and Family Partnerships

Course: Child Family and Community

Student Learning Outcomes:

- Critique strategies that support and empower families through respectful, reciprocal relationships to involve all families in their children’s development and learning.

Course: Introduction of Curriculum

Student Learning Outcomes:

- Design and implement curriculum based on observation and assessment to support play and learning using developmental, inclusive and anti-bias principles in collaboration with families to support all children.

Course: Introduction of Curriculum – Continued

Objectives:

- Identify and explain how materials, activities, and interactions support and respect cultural, linguistic, ethnic, economic, ability and gender diversity including the acquisition of English as a second language.
- Demonstrate how curriculum and environment can be adapted for children’s unique and individual needs.
- Identify various ways of engaging with children’s families in curriculum planning and documenting of children’s involvement and learning.

Content and Topics:

- Explore developmentally, linguistically, and culturally appropriate and responsive activities that support development of the whole child.

Course: Principle and Practices of Teaching Young Children

Objectives:

- Describe adaptations (programmatic, curricular and environmental strategies) needed to support children with diverse abilities and characteristics.
- Develop strategies to maintain communication and access with English language learning families and children.

Course: Observation and Assessment

Student Learning Outcomes:

- Assess the value of partnerships with families and other professionals in utilizing interpretations of observational data to inform teaching responses and strategies.

Objectives:

- Articulate the value of involving families and other professionals in the observation and assessment process for all children.

Course: Practicum-Field Experience

Student Learning Outcomes:

- Evaluate the effectiveness of an early childhood curriculum, classroom, teaching strategies and how teachers involve families in their children’s development and learning to improve teaching practices for all children.

Objectives:

- Critically assess personal experiences to inform and guide future teaching and collaborative practices.