

Tohono O'odham Community College



Syllabus: ECE 124 Math and Science for Young Children

Course Information	
Course Prefix/Number: ECE 124	Credit Hours: 3 Course Title: Math and Science for Young Children Hualapai Head Start Center
Semester: Spring 2017	
Class Days/Times:	
Friday, January 13 12:30-3:30	
Wednesday, January 18 9 – 12:00	
Wednesday, January 25 9 – 12:00	
Wednesday, February 15 9 – 12:00	
Friday, February 17 12:30-3:30	
Wednesday, February 28 9 – 12:00	
Friday, March 10 12:30 – 3:30	
Wednesday, March 22 9 – 12:00	
Wednesday, March 29 9 – 12:00	
Friday, April 7 12:30 – 3:30	
Wednesday, April 12 9 – 12:00	
Wednesday, April 26 9 – 12:00	
Friday, May 5th 12:30-3:30	
Wednesday, May 10 9-12:00	

Instructor Information:	Phone/Voice Mail: 928.925.4113
Name: Wendy Watson	E-mail: adelicatexplosion@gmail.com
	Office location: classrooms on locations
	Office hours: immediately following classes

Course Description:

ECE 124 includes exploring the theories behind, and methodologies for, teaching math and science concepts to young children, from birth through age 8. TOCC students will engage in hands-on activities that they can replicate with their own students, and will create culturally-relevant activities that promote children's cognitive development. The course also provides strategies for observing and documenting children's progress in the content areas of math and science.

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Texts and Materials: *(list text(s), and materials students will need)*

The Young Child and Mathematics, Juanita V. Copley

Worms, Shadows and Whirlpools, Karen Worth & Sahron Grollman

Evaluation and Grading & Assignments: *(information on how the course grade will be determined; details regarding assignments, exams, projects with due dates and any instructions for work. Make sure that you have one or more learning activities in the calendar/schedule that address each outcome. An activity can address more than one outcome.)*

See attached

Himdag Cultural Component: *(include details on how this course will be integrated into the Himdag)*

Students will discuss how the content areas for math and science can best be taught within the framework of the Tohono O'odham traditional beliefs about these content areas. Activities created by students will be culturally-relevant and will include Tohono O'odham vocabulary.

Policies and expectations-

Regular attendance is expected. If you will be absent, please call or email me to make arrangements for makeup assignments.

Frequent absenteeism may impact your grade.

Course Outline:

1. Central concepts in math and science
2. Exploring science experiments and math activities for young children
3. Creating culturally-relevant math and science activities for young children
4. Observing and assessing the progress of young children in the content areas of math and science
5. Integrating math and science into other curricula areas and writing lesson plans
6. Increasing parent and community involvement in math and science for young children

Tohono O'odham Community College

Avoid using non-action verbs such as:

Appreciate

Become aware of

Become familiar with

Know

Learn

Understand

Value

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