



Course Syllabus

**Math and Science for Early Childhood
CDEC 2307**

******* Note to Student *******

Student Success is our number one priority at Coastal Bend College and we realize that prompt, effective communication plays a significant role in achieving that goal. It is vitally important that you have the proper contact information for your instructor. This should include their phone number, email address, and if applicable, their office number, and office hours. If you ever have any problems contacting your instructor, or do not receive a prompt response to your inquiries, please contact the Director of Technical Programs, or the Dean of Workforce, as soon as possible. Their contact information is provided below:

Coordinator of Public Services: David Sullivan; 361-664-2981 EX 3051; sullivan@coastalbend.edu
Director of Technical Program, Noemi Aguilar: 361-354-2306; aguilar@coastalbend.edu
Dean of Workforce Programs, Julia Garcia: (830) 569-4222 X1202; jgarcia@coastalbend.edu

Course Description: An exploration of principles, methods, and materials for teaching children math and science concepts and process skills through discovery and play.

Semester Hours Credit: 3

Lecture/Lab Hours: The class meets for two (2) lecture hours per week and two (2) lab hours assigned by instructor.

Prerequisite: Intermediate Course

Textbook(s): **Math & Science for Young Children**, 7th ed., Charlesworth. Cengage. ISBN: 9780840030825

End of course outcomes: Upon successful completion of this course, the student will be able to:

1. Use critical thinking skills to align the sequence of cognitive development to the acquisition of math and science concepts;
2. Use communication skills to explain the scientific process and its application to early care and education environments;
3. Use critical thinking skills to develop strategies which promote critical thinking and problem-solving skills in children;
4. Use empirical and quantitative data to plan discovery experiences using observation and assessment; and
5. Use personal and social responsibility to evaluate developmentally appropriate materials, equipment, and environments to support the attainment of math and science concepts and skills.

Teaching Methods: Lecture, discussion, videos and group activities



Evaluation Methods: Will be based on the following criteria:

- Assignments 30%
- Tests & Finals 30%
- Lab 20%
- Teacher Evaluation 15%
- Attendance 5%

A 100-90 Points, B 89-80 Points, C 79-70 Points, D 69-60, F 59 & below

The course grade is comprised of both lecture and lab. Failure to do lab assignments, including excessive absence from lab, may result in the student being dropped from the course.

Student Contribution:

Each student is expected to spend 3 hours per week preparing for class. Attendance is crucial for the success in this course. Student will be dropped after three (3) consecutive absences. Student will be dropped after three (3) consecutive absences

Student Learning Outcome: Use critical thinking and personal skills to construct 5 developmentally appropriate math activities.

Target: 90% accuracy

ADA Statement: No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the College District, or be subjected to discrimination by the College District. Nor shall the College District exclude or otherwise deny equal services, programs, or activities to an individual because of the known disability of an individual with whom the individual is known to have a relationship or association. 42 U.S.C. 12132; 28 CFR 35.130(g)

Special Needs Services: Students with special needs, including physical and learning disabilities, who wish to request accommodations in this class should contact the Counseling Office as soon as possible to make arrangements. In accordance with federal law, a student requesting accommodations must provide documentation of disability to the Special Needs Counselor. For more information, please go by the Counseling Office, or contact: Dee Berthold at deedee@coastalbend.edu in Alice, Amanda Barrera at amanda@coastalbend.edu in Kingsville, Lindsey Hagen at lhagen@coastalbend.edu in Beeville, and Katie Sherman at ksherman@coastalbend.edu in Pleasanton.

Academic Dishonesty: Each student is charged with notice and knowledge of the contents and provisions of Coastal Bend College's rules and regulations concerning student conduct. All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by Board policies. Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion. (See the Student Handbook for further explanation of Scholastic Dishonesty.)

Coastal Bend College



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Coastal Bend College, its faculty, students and employees must comply with Copyright Law. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy CT (Legal) and CT (Local). Questions regarding this information should be directed to the Librarian of the College or the Public Relations Office.

Intellectual Property: Student /Third Party Works: Rights to copyrightable or patentable works created by a student or a third party, that is, not a College District employee, shall reside with the author/ creator.

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