



**TENTATIVE  
SUBJECT TO CHANGE  
Early Childhood Care and Education (ECCE)  
ECCE 2116 Math and Science  
COURSE SYLLABUS  
Online  
Summer Semester 202016**

**COURSE INFORMATION SUMMER**

Credit Hours/Minutes: 3/3000

Campus/Class Location: Georgia Virtual Technical Connection (GVTC)/Blackboard

Class Meets: Via Internet for 9 weeks

Course Reference Number (CRN): 60052

Preferred Method of Contact: College Email

**INSTRUCTOR CONTACT INFORMATION**

Instructor Name: Mindy Sumner

Email Address: [Mindy Sumner \(msumner@southeasterntech.edu\)](mailto:msumner@southeasterntech.edu)

Campus/Office Location: Vidalia Main Building, Room 316

Classroom: Main Building, Room 317

Office Hours: Monday-Wednesday 1:30 p.m.-3:30 p.m. and Thursday 8:00 a.m.-12:00 p.m.

Phone: 912-538-3256

**SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK**

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php) (<http://www.southeasterntech.edu/student-affairs/catalog-handbook.php>).

**REQUIRED TEXT**

Math and Science for Young Children-8<sup>th</sup> Edition; Author: Charlesworth

International Standard Book Number (ISBN): 978-1-305-08895-5

Students should not share login credentials with others and should change passwords periodically to maintain security.

**REQUIRED SUPPLIES & SOFTWARE**

Notebook, paper, pen/pencil. Students will be conducting learning activities; therefore, they will need supplies such as paper, glue, markers, etc. The type and cost of supplies varies per semester and per activity.

**COURSE DESCRIPTION**

This course presents the process of introducing math and science concepts to young children. It includes planning and implementation of developmentally appropriate activities and development of math and science materials, media and methods. Topics include inquiry approach to learning; cognitive stages and

developmental processes in developing math and science concepts with children birth to five; cognitive stages and developmental processes in developing math and science concepts with children in kindergarten and primary grades; planning math and science activities; and development of math and science materials, media and methods.

## MAJOR COURSE COMPETENCIES

Topics include:

1. Inquiry approach to learning.
2. Cognitive stages and developmental processes in developing math and science concepts with children birth to five.
3. Cognitive stages and developmental processes in developing math and science concepts with children in kindergarten and primary grades.
4. Planning math and science activities.
5. Development of math and science materials, media, and methods.

## PREREQUISITE(S)

ECCE 1103

## COURSE OUTLINE

1. Inquiry Approach to Learning
2. Cognitive/Developmental Processes in Math/Science with Children Birth to Age Five
3. Cognitive/Developmental Processes in Math/Science with Children in Kindergarten to Primary Grades
4. Planning Math and Science Activities
5. Development of Math and Science Materials, Media and Methods

## GENERAL EDUCATION CORE COMPETENCIES

STC has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

## STUDENT REQUIREMENTS

To pass the class, students must complete all assignments on the syllabus and attend the required proctored event. Students will have at least one week to complete tests and assignments. **All tests and assignments are due at 11:59 P.M. on Monday of each week.** Assignments must be keyed in Microsoft Word, saved, uploaded, and attached for grading in Blackboard.

Students are expected to prove weekly academic engagement by meeting assignment deadlines each week during the semester doing the required homework, discussion boards, tests and assignments. Students are expected to communicate frequently through college email and discussion boards.

The student is expected to complete all work on the attached lesson plan. Online students are responsible for checking emails and Blackboard announcements DAILY. Homework assignments MUST be completed by the date specified; assignments may be submitted early. Discussion boards MUST be completed by the date specified; assignments may be submitted early. Tests MUST be completed by the date specified. Tests are posted and students who miss a test will be assigned a grade of zero. Please do not wait until the last moment to submit in case you have internet problems with your computer. If internet or browser failure occurs, contact the instructor immediately by email.

### **Within the first three days of class ALL online students must:**

- Complete Online Orientation Quiz in Blackboard.
- Complete the Pledge Acknowledgment in Blackboard.

### **ONLINE ATTENDANCE**

It is the student's responsibility to be academically engaged each week doing course related activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an "F" (Failing 0-59) in a course.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Students will have at least one week to complete tests and assignments. All tests and assignments are due at 11:59 p.m. on Monday of each week. Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

### **STUDENTS WITH DISABILITIES**

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

**Swainsboro Campus:** Macy Gay [mgay@southeasterntech.edu](mailto:mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210

**Vidalia Campus:** Helen Thomas [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

### **SPECIFIC ABSENCES**

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

### **PREGNANCY**

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

**Swainsboro Campus:** Macy Gay [mgay@southeasterntech.edu](mailto:mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210

**Vidalia Campus:** Helen Thomas [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery **MAY NOT** be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

### **PROCTORED EVENT**

The event may be a major exam, assignment, or presentation, etc. that will count a minimum of 20% of the course grade. Students who do not complete the event as scheduled must submit a valid documented excuse within three business days after the scheduled event. If the excuse is approved by the instructor of the course, students must make arrangements with the instructor to makeup/reschedule the missed event. The

penalty and makeup instructions will be at the instructor's discretion. Events will be given after the 65% point of the semester. **Students who do not complete the event on the scheduled date and do not present a valid documented excuse within three business days of the scheduled event will be withdrawn from the course with a "WF" (Withdrawn Failing). If the event is scheduled during final exams, any student who misses the event will be issued an "F" (Failing) for the course.**

### **WITHDRAWAL PROCEDURE**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" is assigned for the course(s) when the student completes the withdrawal form.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of 'W' will count in attempted hour calculations for the purpose of Financial Aid.

**Remember** - Informing your instructor that you will not return to his/her course does not satisfy the approved withdrawal procedure outlined above.

### **MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC...)**

There are no make-up exams or assignments in an online class. Students have a week to complete assignments. If Internet or browser failure occurs, contact instructor immediately. A student who needs an exam reopened must come to campus to take the test.

### **CRIMINAL RECORDS CHECK**

**National Fingerprint-Based Criminal History Background Check:** All students enrolled in ECCE 1121 Practicum and ECCE 2245 and 2246 Internship must undergo a fingerprint-based criminal history background check through a local Cogent Systems site and receive a Satisfactory Determination Letter from the Georgia Department of Early Care and Learning before beginning their Practicum or Internship at childcare facilities. It is the responsibility of the student to pay the fingerprint-based criminal history background check fee. Students assigned to an internship or practicum at a site that is not required to be licensed may not be subject to the fingerprinting requirement. These students, however, may be required to meet similar or other standards established by the local board of education. Additional standards may be established by individual site operators which must be met before a placement at a particular site for internship or practicum is finalized. The final approval of a placement is contingent upon acceptance by the individual center/facility operator.

### **ACADEMIC DISHONESTY POLICY**

The STC Academic Dishonesty Policy states All forms of academic dishonesty, including but not limited to

cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the STC Catalog and Handbook.

## **PROCEDURE FOR ACADEMIC MISCONDUCT**

The procedure for dealing with academic misconduct and dishonesty is as follows:

### **1. First Offense**

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

### **2. Second Offense**

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

### **3. Third Offense**

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

## **STATEMENT OF NON-DISCRIMINATION**

The Technical College System of Georgia (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member, or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

The Technical College System and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 165 Phone: 912-538-3126 Email: <a href="mailto:Helen.Thomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:Lanie.Jonas@southeasterntech.edu">Lanie Jonas</a> <a href="mailto:ljonas@southeasterntech.edu">ljonas@southeasterntech.edu</a>

## ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

## GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College's website.

## ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

## TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT

*The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.*

## GRADING POLICY

Assessment/Assignment	Percentage
Tests	25%
Assignments	35%
Discussion Board	10%
Proctored Exam	30%

## GRADING SCALE

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

**ECCE 2116 Math and Science  
Summer Semester 2020 Lesson Plan**

<b>Date/Week/Due</b>	<b>Chapter(s)</b>	<b>Content</b>	<b>Assignments</b>	<b>Competency Area</b>
Week 1 Week of May 26 <b>Due 6/1</b>	Chapter 3	Prekindergarten and Kindergarten Concepts and Skills	-Read Syllabus -Read Chapter 3 -Review Chapter 3 Power Point -Complete Chapter 3 Terms -Review How To Write An Activity Plan Information folder <b>Due 6/1</b>	1, 2, 5 a, c
Week 2 Week of June 1 <b>Due 6/8</b>	Chapter 4	More Prekindergarten and Kindergarten Concepts and Skills	-Read Chapter 4 -Review Chapter 4 Power Point -Complete Chapter 4 Terms -Classifying Lesson Activity Plan Due -Discussion Board 1 <b>Due 6/8</b>	1, 2, 5 a, c
Week 3 Week of June 8 <b>Due 6/15</b>	Chapter 5	Ordering, Measurement, and Data Collection and Analysis	-Read Chapter 5 -Review Chapter 5 Power Point -Complete Chapter 5 Terms -Pattern Lesson Activity Plan Due -Discussion Board 2 <b>Due 6/15</b>	3, 4, 5 a, c
Week 4 Week of June 15 <b>Due 6/22</b>	Chapter 6	Integrating the Curriculum	-Read Chapter 6 -Review Chapter 6 Power Point -Complete Chapter 6 Terms -Test Over Chapters 3, 4, 5, 6 -Discussion Board 3 <b>Due 6/22</b>	3, 4, 5 a, c
Week 5 Week of June 22 <b>Due 6/29</b>	Chapter 8	Whole Number Operations, Patterns and Fractions	-Read Chapter 8 -Review Chapter 8 Power Point -Complete Chapter 8 Terms -Seriation Lesson Plan Due -Begin working on Math Center <b>Due 6/29</b>	3, 4, 5 a, c

<b>Date/Week/Due</b>	<b>Chapter(s)</b>	<b>Content</b>	<b>Assignments</b>	<b>Competency Area</b>
Week 6 Week of June 29  <b>Due 7/7</b>	Chapter 9	Place Value, Geometry, Data Analysis, and Measurement	-Read Chapter 9 -Review Chapter 9 Power Point -Complete Chapter 9 Terms -Math Center Due -Discussion Board 4 <b>Due 7/7</b>	3, 4, 5 a, c
Week 7 Week of July 7  <b>Due 7/13</b>	Chapter 10	Overview of Primary Science: Life Science and Physical Science	-Read Chapter 10 -Review Chapter 10 Power Point -Complete Chapter 10 Terms -Begin working on Science Center Test Over Chapters 8, 9, 10 -Discussion Board 5 <b>Due 7/13</b>	3, 4 a, b, c
Week 8 Week of July 13  <b>Due 7/20</b>	Chapter 11	Earth and Space Sciences, Environmental Awareness, Engineering, Technology and Science Applications	-Read Chapter 11 -Review Chapter 11 Power Point -Complete Chapter 11 Terms -Science Activity Plan Due -Continue working on Science Center <b>Due 7/20</b>	3, 4 a, b, c
Week 9 Week of July 20  <b>Due 7/29</b>	Chapter 12	Materials and Resources: Math and Science in the Classroom and the Home	-Read Chapter 12 -Review Chapter 12 Power Point -Complete Chapter 12 Terms -Science Center Due -Proctored Exam of Chapters 11, 12 <b>Due 7/29</b>	3, 4 a, b

### COMPETENCY AREAS

1. Inquiry approach to learning,
2. Cognitive stages and developmental processes in developing math and science concepts with children birth to five,
3. Cognitive stages and developmental processes in developing math and science concepts with children in kindergarten and primary grades,
4. Planning math and science activities,
5. Development of math and science materials, media, and methods.

### GENERAL CORE EDUCATIONAL COMPETENCIES

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.

## Discussion Board RUBRIC

Students will be required to answer discussion board questions that will be posted within Blackboard. The topics will be posted at least a week prior to the due date. The discussions should be detailed and thoroughly answer the topic. Also, students will be required to respond to at least one answer posted by their classmates. The responses should include why you do or do not agree with the student's response. It is ok to disagree with your classmate on his/her answer but the responding student should be professional in his/her response to his/her classmate. Be constructive in discussing these topics with your classmates.

### **1 POST 1 REPLY**

Students who post their initial discussion board response to the discussion board topic and respond to at least one answer posted by their classmate will be given a 100 on the assignment if the post is turned in by the due date and free of grammatical and spelling errors. The student will receive a 10 point deduction for each day the discussion post is turned in past the due date. The student will receive a one point deduction for each grammatical and spelling error in the student's discussion post. A 30 point deduction will be given to any student who only responds to their classmate with an answer of "yes/no" or "I agree/disagree."

### **1 POST 0 REPLY**

Any student that does not respond to at least one answer posted by their classmates will not receive a grade above 70 on the discussion post. The grade of 70 will be the highest grade that the student will be able to receive on the discussion post if the post is turned in by the due date and free of grammatical errors and spelling errors. The student will receive a 10 point deduction for each day the discussion post is turned in past the due date. The student will receive a one point deduction for each grammatical and spelling error in the student's discussion post.

### **0 POST 1 REPLY**

Students who only respond to a classmate's discussion post will not receive a grade above 50 on the discussion topic. The grade of 50 will be the highest grade that the student will be able to receive on the discussion response if the response is turned in by the due date and free of grammatical errors and spelling errors. The student will receive a 10 point deduction for each day the discussion response is turned in past the due date. The student will receive a one point deduction for each grammatical and spelling error in the student's discussion response.

### **0 POST 0 REPLY**

Students will receive a 0 on the discussion topic if the student does not post an answer or response to a classmate's discussion post.