

# Saturday Enrichment Program

\$100 per course      Spring 2021

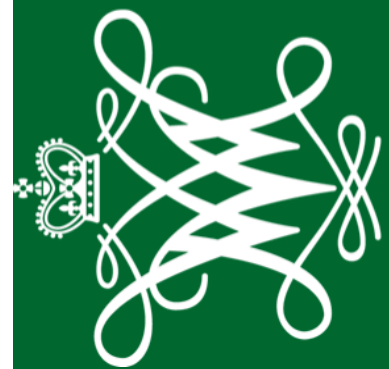


**Spring SEP Session 1: February 13, 20 & 27**

**Spring SEP Session 2: March 6, 13, & 20**

10:00 am—12:00 pm

**Virtual Enrichment Courses**  
Center for Gifted Education



William & Mary  
School of Education

CENTER FOR GIFTED EDUCATION

# Center for Gifted Education

Established in 1988, the Center for Gifted Education (CFGE) at William & Mary is a learning community that values and fosters the talent development process and optional functioning of high-ability individuals over their lifespan.

## Saturday Enrichment Programs

William & Mary's SEP is an academically challenging program with an emphasis on inquiry-based learning for students enrolled in grades K–12. The program is not meant to supplant the regular school curriculum; rather, it recognizes the importance of allowing able children to explore additional specialized areas of science, mathematics, humanities, and the arts. Course activities are compatible with the expected achievement of high-ability students at specific grade and age levels.

Behaviors fostered by this program include the ability to:

- apply process skills used in individual field of inquiry,
- recognize problems and approaches to problem solving,
- understand and appreciate individual differences, and
- become a self-directed learner.

SEP is one of the precollegiate learner program offerings at William & Mary's Center for Gifted Education. We welcome all gifted learners, including those with disabilities. For more information about this program and other precollegiate programs, please contact the Center for Gifted Education at (757) 221-2166.



### PRECOLLEGIATE LEARNER PROGRAMS STAFF

Mihyeon Kim, Ph.D., Ed.D.

Director, Precollegiate Learner Programs

Katie Latimer

SEP Program Coordinator

### Contact Information

Phone: (757) 221-2166

E-Mail: [sep@wm.edu](mailto:sep@wm.edu)

### PROGRAM TIMELINE

**February 1:** Course assignment decisions made; classes that do not meet the minimum enrollment requirement will be cancelled.

**February 5:** Session schedules and information emailed to families.

**February 12:** Deadline for payment of outstanding tuition balances.

**February 13:** Session 1 Classes begin.

**February 27:** Session 1 Classes end.

**March 6:** Session 2 Classes begin.

**March 20:** Session 2 Classes end.

10:00 am—12:00 pm

Center for Gifted Education | William & Mary

P.O. Box 8795, Williamsburg, VA 23187

(757) 221-6198 | [cfge.wm.edu](http://cfge.wm.edu)

# Course Descriptions

Session 1: February 13, 20 & 27

10:00 am—12:00 pm

## Create Your Own Pop Up Book

Grades 6-8

Instructor: Jennifer Callison

Course Codes: 21SPR1—01

Flames pop off the page during a battle to save civilization as we know it. With the slide of a tab, tears fall down the face of a broken-hearted teenager. A moving magnifying glass reveals hidden hieroglyphics that could change history. These are just a few of the ideas you can bring to life when you create your own pop-up book during this course. Choose your genre, your characters, and the style of your book. You're in charge! Get ready to write and craft your way to an interactive story-telling hour with your peers.

## The World is a Cartoon!

Grades 6—8

Instructor: Steve Prince

Course Code: 21SPR1— 02

In this intense three day workshop participants will learn how to create popular cartoon and anime characters based upon knowledge derived from drawing the human figure proportions. Participants will develop their own *original* characters and create a short comic strip to create a *new world* for their characters!

***Participants will need to have the following supplies available for this course:***

Pencils (Ebony, or 6B)  
Paper (11" x 14" Sketchpad)  
Erasers (Pink Pearl and Kneaded Eraser)  
Sharpie Markers, (Fine, Medium, Bold)  
Colored Pencils (Prismacolors 12 - 18 Pack)  
12" Ruler

## Engineering at Home

Grades 3-5

Instructor: Pennie Brown

Course Code: 21SPR1—03

A unique opportunity to take an engineering class from your house! You will use common, everyday items found around your home to study, build, and test engineering challenges. Engaging activities to include: boat building as well as bridge and tower construction.

***Participants will need to have the following supplies available for this course:***

Plastic Straws  
Balloons  
Pull back car (Available at most dollar stores)



# Course Descriptions

## Session 1: February 13, 20 & 27

10:00 am—12:00 pm

### **The Human Body: A Marvelous Machine!**

**Grades** 3-5

**Instructor:** Colleen Ignacio

**Course Code:** 21SPR1—04

In this fascinating world, with so many life forms, the human body is the most remarkable. The human body is an efficient and complex machine designed to adapt to the environment around it. Join us for an amazing journey exploring the human body! How many bones in the human body? What is the largest organ? What are neurotransmitters and how do they work? Where does a molecule of air go after it enters the body? What happens to those chicken nuggets you ate for lunch? How many chambers in the human heart? Find out the answers to these questions and MORE with hands on activities, anatomy models and more! You won't want to miss this exciting class!! Register NOW to learn about The Human Body: A Marvelous Machine!!

### **Worth a Thousand Words: A Multimedia Writing Adventure**

**Grades** 7-9

**Instructor:** Dr. Renee Kingan

**Course Code:** 21SPR1—05

Learn how to transform your original writing into powerful presentations that amplify your voice and move people's minds. In this course, students will plan, write, and create original videos using hardware and software you already have at home. Writing activities will focus on using vivid description and powerful verbs to paint pictures with language designed to inspire. Video production activities will include understanding copyright and fair use, storyboarding, voice-over recording, basic animation techniques, and best practices for live-action filming. Whether you're an avid writer or you are looking for new ways to express yourself, there's something here for everyone!

### **Intro to Computer Science**

**Grades** 4-6

**Instructor:** Ciara Prevall

**Course Code:** 21SPR1—06

This course blends instructor guided, online, and self-paced tutorials with a fundamental computer science curriculum that will help students digest complicated concepts. Diverse hands-on activities are relevant and relatable to everyday living and can be implemented with or without the use of computers. Students will be introduced to various coding languages, computational practices, binary conversions, and more.

### **The Magic of Coding**

**Grades** 3-4

**Instructor:** Katina Acree-Williams

**Course Code:** 21SPR1—07

Do you like mazes, games, and online puzzles? Do you ever imagine what it would be like to create your own computer software? This coding course uses coding.org and scratch software to explore the world of computer science while enabling your critical thinking skills and creativity. Students will enjoy digital citizenship, sequencing, programming games, debugging mazes, and coding games such as Minecraft. Let's explore a new adventure using coding technology.

### **Introduction to Botany: A Creative Problem-Solving Journey for Gardens!**

**Grades** 10—12

**Instructor:** Heather Allen

**Course Code:** 21SPR1—08

Have you ever wondered how all kinds of fruits and vegetables appear at the grocery store all year long? There are ways to grow a garden inside and outside in whatever climate you live in. Students will develop their concepts of a Garden and create a way to resolve problems in gardening. The most fun thing about garden is rising above the difficulties to taste the good fruit, or vegetable at the case might be.

# Course Descriptions

## Session 2: March 6, 13, & 20

10:00 am—12:00 pm

### **The Poetry Place**

**Grades 7-9**

**Instructor:** Michelle Hudgins

**Course Codes:** 21SPR2— 01

Do you find that putting pen to paper makes a rough day better? Perhaps you love the sense of accomplishment you feel after pinpointing just the right word to convey your message? These are just two examples of the power of poetry! Participants will explore common poetic themes and investigate many of the figurative language techniques that make poetry so mighty. Free verse, concrete, found poems, and ekphrasis (poems about other works of art) are some of the styles to be covered during these three sessions. Participants will be inspired to create their own original works through writing prompts, mentor texts, thoughtful discussions, and workshop collaboration.

### **The World is a Cartoon!**

**Grades 9-12**

**Instructor:** Steve Prince

**Course Code:** 21SPR2— 02

In this intense three day workshop participants will learn how to create popular cartoon and anime characters based upon knowledge derived from drawing the human figure proportions. Participants will develop their own *original* characters and create a short comic strip to create a *new world* for their characters!

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### **Statistics: What the Numbers Tell Us!**

**Grades 7-9**

**Instructor:** Mark Ekstrom

**Course Code:** 21SPR2—03

People like to argue. Whether it's about social justice or a new medical treatment or who was the greatest athlete of all-time, eventually someone brings out the numbers. But what do you do when both sides have "proof" that they are right? Knowing how statistics reveal truth, and how they can lead us astray, is an important skill: it is important for understanding the world and for being a clear-thinking active citizen in our democracy.

Over three Saturdays students will use some tools of the trade: graphs, measures of relative standing, significance tests and regression analysis. We use these tools and real data sets to look at hot topics of today: What do the numbers say about race and police use-of-force? How do scientists figure out if a COVID-19 vaccine or treatment works? How can surveys of a few voters predict how everyone will vote—and why were the surveys so wrong in 2016?

### **Engineering at Home**

**Grades 6-8**

**Instructor:** Pennie Brown

**Course Code:** 21SPR2—04

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## Session 2: March 6, 13, & 20

10:00 am—12:00 pm

### **The Human Body: A Marvelous Machine!**

**Grades 3-5**

**Instructor:** Colleen Ignacio

**Course Code:** 21 SPR2 — 05

In this fascinating world, with so many life forms, the human body is the most remarkable. The human body is an efficient and complex machine designed to adapt to the environment around it. Join us for an amazing journey exploring the human body! How many bones in the human body? What is the largest organ? What are neurotransmitters and how do they work? Where does a molecule of air go after it enters the body? What happens to those chicken nuggets you ate for lunch? How many chambers in the human heart? Find out the answers to these questions and MORE with hands on activities, anatomy models and more! You won't want to miss this exciting class!! Register NOW to learn about The Human Body: A Marvelous Machine!!

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**Grades 3-5**

**Instructor:** Jennifer Callison

**Course Codes:** 21SPR2—06

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**Instructor:** Dr. Renee Kingan

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### **Web Design Fundamentals**

**Grades 3-4**

**Instructor:** Katina Acree-Williams

**Course Code:** 21SPR2—09

Have you ever wondered how web pages are created? Do you want to take your coding skills to the next level? Join us for an amazing journey of designing web pages using your favorite topic such as favorite food, animal, or person. We can decide one we are in the class on more topics. Each week we will focus on a new topic as we learn to create exciting and personal web pages. The course will require an entry knowledge of coding, critical thinking skills, and the love the creativity using technology. Students will learn to use HTML basics and Google Sites to create pages.

### **Introduction to Botany: A Creative Problem-Solving Journey for Gardens!**

**Grades 7-9**

**Instructor:** Heather Allen

**Course Code:** 21SPR2—10

Have you ever wondered how all kinds of fruits and vegetables appear at the grocery store all year long? There are ways to grow a garden inside and outside in whatever climate you live in. Students will develop their concepts of a Garden and create a way to resolve problems in gardening. The most fun thing about garden is rising above the difficulties to taste the good fruit, or vegetable at the case might be.

# Program Information

Tuition: The tuition fee is \$100 (including a non-refundable \$25 registration fee) per course and is due before February 1.

Minimum Course Enrollment: Approximately one month prior to the start of the session, the program staff will review course enrollment to ensure classes have met the minimum enrollment requirement. Courses that do not meet the minimum enrollment number of 10 participants will be cancelled. Parents/Guardians will be notified by email should a course be canceled.

Class Placement and Size: Class size will be limited to a maximum of 25 participants (with rare exceptions). Program staff will not process a participant's application until all required forms and the tuition have been received. Class assignments will be made once a complete application is received. If a student has selected a course that has already reached its maximum capacity, a staff member will contact the student's parent/guardian to discuss available options.

Course Withdrawals: Request to withdraw from a course must be made in writing prior to the start of the session. Registration fee is non-refundable. Tuition refunds will be provided for payments made minus the registration fee. Refunds for tuition will not be provided for withdrawals occurring after the start of the session.

Disability Accommodations: We accept all students with disabilities. If this affects your child, please contact the Program Coordinator to discuss the necessary accommodations.

Faculty: Courses are taught by a variety of talented instructors, including teachers of gifted and talented learners, faculty of William & Mary, and content-area professionals.

Discipline policy: The expectation is that students will take responsibility for their own behavior and act appropriately during class to foster a positive learning environment for all students. If a student becomes disruptive, a warning will be issued to the student and parent/guardian on the day of the infraction. If the inappropriate behavior recurs in a second session, the child will be removed from class and may be removed from the program. If a child is removed from the program due to inappropriate behavior, a refund will not be provided.



# Admission Requirements

## Returning Participants

1. Completed program application forms via [Campsite](#) and all required documentation within enrollment process.
2. Payment via [SEP Payment Portal](#).
3. Student Recommendation and Test Scores must be on file with the Center for Gifted Education. **\*\* Please contact Katie Latimer, SEP Program Coordinator at SEP@wm.edu with any questions.\*\***

## New Applicants

1. Test scores

Students who have scored in the 95th percentile or above on a nationally normed aptitude or achievement test are eligible. Application test scores at the 95th percentile or better must be in at least one of the following areas: reading comprehension, vocabulary, language total, math total, math concepts, math problem-solving, science, social studies, or the composite. Contact your child's school to determine if it has participated in a qualified test (examples below) and if the scores may be made available to you. **\*\*If unable to provide test scores, please contact Katie Latimer, Program Coordinator at SEP@wm.edu to discuss other options.\*\***

2. [Student Recommendation](#) from a current teacher, counselor, or school administrator.
3. Completed program application forms via [Campsite](#) and all required documentation within enrollment process.
4. Payment via [SEP Payment Portal](#)

## Examples of Accepted Nationally Normed Tests (this list is not exclusive):

American Testronics, Differential Ability Scales (DAS), Metropolitan Achievement Tests (MAT), Terra Nova (CTBS), SRA Brigance Basic Skills (Pre-K), Differential Aptitude Tests (DAT), Metropolitan Readiness Test, Cognitive Abilities Test, Stanford Achievement Test, California Achievement Tests, Iowa Tests of Basic Skills (ITBS), Ravens Progressive Matrices Naglieri Nonverbal Ability Test, Stanford-Binet Intelligence Scale, Kaufman Assessment Battery, National Tests of Basic Skills, Cognitive Assessment System (CAS), Kaufman Brief Intelligence Test (K-BIT), Otis-Lennon, Test of Language Development, Columbia Mental Maturity Test Kaufman Test of Educational Achievement (K-TEA), Peabody Individual Assessment Test, Universal Nonverbal Intelligence Test (UNIT), Comprehensive Inventory Basic Skills (CIBS), KeyMath, Wechsler Intelligence Scale for Children (over age 6), Comprehensive Test of Basic Skills (CTBS), Kuhlmann-Anderson Measure of Academic Potential, Screening Assessment for Gifted Elementary and Middle School Students (SAGES-2), Wechsler Preschool and Primary Scale of Intelligence Test (WPPSI-III) (under age 6), Comprehensive Testing Power (CTP) Leiter International Performance Scale, SAT, Wide Range Achievement Test, Degrees of Reading Power (DRP), Matrix Analogies Test (MAT), Slosson Intelligence Test (SIT)

**\*\*Please contact Katie Latimer in the Center for Gifted Education at SEP@wm.edu or (757) 221-2166 for other accepted tests or any questions.\*\***