Fall SEP 2021

Session 1: October 16, 23, & 30th
Session 2: November 6, 13, & 20th
10AM—12PM

*Parent Seminars* Available on October 23rd*

Virtual Enrichment Courses
Center for Gifted Education
William & Mary
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 replace 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.
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Grades</th>
<th>Instructor</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Virtual Course Descriptions</strong></td>
<td></td>
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<tr>
<td><strong>Book Creations</strong></td>
<td>3-5</td>
<td><strong>Jennifer Callison</strong></td>
<td>What does it take to be Hermione Granger? Mix a bushel of book smarts with a pinch of persistence? Or how about Lego Ninjago Kai? Do you multiply loyalty by the square root of skill? And what makes up the world of Charlie and the Chocolate Factory? What materials do you gather, and what foundation do you lay? In this course, you can build and create anything you want based on your favorite book. Invent a cooking recipe, restaurant menu, math equation, board game, map, video game, book trailer, or anything you can imagine.</td>
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<td><strong>Pennie Brown</strong></td>
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<td><strong>Kim Hundley</strong></td>
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<td><strong>Sue Sydow</strong></td>
<td>Do you like playing games online? Have you ever wondered how these games were created? Do you want to create your own game and share it with friends? This coding course uses code.org to teach you how to design and code your own game. Students will explore JavaScript and code events to create games. Students will practice problem solving as they debug their code and critical thinking skills while programming their games. Imagine all the creativity!</td>
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<td><strong>Brandy Metzger</strong></td>
<td>Do you love animals? Are you interested in coming up with ideas that could help animals that are endangered? In this course you will embark on a journey across the planet to learn about 5 different endangered species. You will uncover the hardships these animals face that put them at risk. Then, you will work as a team to determine possible solutions to their declining numbers. You will then work to create prototypes of your innovations with simple items from your home. Get ready to spark up your imagination and become an environmental visionary!</td>
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<td><strong>The Human Body: A Marvelous Machine</strong></td>
<td>3-5</td>
<td><strong>Colleen Ignacio</strong></td>
<td>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!!</td>
</tr>
</tbody>
</table>

| Date: October 16, 23, & 30 10:00 am—12:00 pm |

**Note:**
- **Virtual Course Descriptions**
- October SEP
Introduction to Social Science Research
Grades: 6-8
Instructor: Claire Brantley
Do you want to develop your personal strengths through the power of reading, writing, investigation, and technology? We'll look for clues we can use to be our best hidden inside stories of characters who never give up. We'll design creative “how-to” manuals for kids’ most common problems. And we'll utilize digital tools to produce our own inspiring stories in a cool take-home format to share with others!

The Magic of Coding
Grades: 6-8
Instructor: Katina Acree-Williams
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.

Worth a 1,000 Words: A Multimedia Writing Adventure
Grades 7-9
Instructor: Dr. Renee Kingan
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!

Virtual Parent Seminars— October 23, 2021
Session 1: 10:00am—10:50am
Session 2: 11:00am—11:50am
Returning this Fall...
Saturday Enrichment Program—Parent Seminars
October 23, 2021
Each Seminar is $20 and will be delivered virtually. Register here for either or both.

Dealing with Perfectionism
Audience: Parents/Guardians
Presenter: Dr. Jennifer Cross
Being perfect can be a debilitating goal for students and parents, alike. In this session, we will talk about perfectionism – what it looks like, how it can be good or bad, and what adults can do to help students who are affected by it.

Understanding Gifted Children
Audience: Parents/Guardians
Presenter: Dr. Ashley Carpenter
Do you ever feel like your kiddo just isn’t like all the other kids their age? Would you like to know more about “Giftedness”? This parent session will focus on the understanding of giftedness and the cognitive, creative, social/emotional, and behavioral characteristics of gifted children.
The Magic of Coding
Grades: 3-5
Instructor: Katina Acree-Williams
Do you like mazes, games, & online puzzles? Do you ever imagine what it would be like to create your own computer software? This coding course uses coding.org & 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, & coding games such as Minecraft. Let’s explore a new adventure using coding technology.

Movie Soundtracks 101
Grades: 4-5
Instructor: Kathy Fagerland
Movies! We love the special effects, the characters, the story line but music sometimes takes a backseat & goes unnoticed. Movie soundtracks play a very important role in the film industry & add so much to the movie watching experience. The music in the background warns us if something scary is going to happen. It creates excitement before & during a big action scene. It also tells us if the character on the screen is going to be a "good guy" & save the day or if that person will be a "bad guy" & cause a conflict. We feel more connected to what is going on by listening to the music & can take that feeling with us even after the movie has ended.

Engineering at Home
Grades: 2-3
Instructor: Pennie Brown
A unique opportunity to take an engineering class from your house! You will use common, everyday items found around your home to study, build, & test engineering challenges. Engaging activities to include: boat building as well as bridge & tower construction. Note: Students need plastic straws, balloons, a pull back car (available at most dollar stores), a few other common household items.

Life of an Architect
Grades: 3-5
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It’s Time to Code Your Own Game!
Grades: 4-5
Instructor: Sue Sydow
Do you like playing games online? Have you ever wondered how these games were created? Do you want to create your own game and share it with friends? This coding course uses code.org to teach you how to design and code your own game. Students will explore JavaScript and code events to create games. Students will practice problem solving as they debug their code and critical thinking skills while programming their games. Imagine all the creativity!

Block by Block: Introduction to Multi-Screen Music Video Production
Grades 7-9
Instructor: Dr. Renee Kingan
Learn fundamental audio & video editing techniques as you create a multi-track, multi-screen music video to share with your family & friends. No prior musical experience is required, as student-driven instruction will include tutorials for creating original music videos for existing songs, student-arranged cover tunes, & original compositions ranging from 2 to 16 voices/screens. Students will learn about copyright & fair use as you dive into basic multitrack audio editing & easy multiscreen video editing. All activities will make use of free software for desktop & mobile platforms including Audacity, iMovie, MovieMaker, & OpenShot. Once you learn the building blocks of audio & video editing, the sky’s the limit.

The Human Body: A Series for Middle School!
Grades: 6-8
Instructor: Colleen Ignacio
This course will focus on the structure & function of the human body, a marvelous machine! In this course, your student will gain an understanding of the basic anatomy & physiology, the body systems, & the jobs they perform. Students will understand how we think, communicate, grow, move, reproduce, & stay alive. Additionally, your student will learn about major disorders, recent medical advances & ways to take care of their bodies. Get your student engaged with the fascinating class!
Tuition: The tuition fee is $100 (including a non-refundable $25 registration fee) per course and is due before September 27, 2021.

Registration Deadline: September 27, 2021

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.
Returning Participants

Completed program application form, all required documentation, and payment with the exception of test scores & student recommendation.

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.

2. Student Recommendation

3. Completed program application forms via Campsite and all required documentation.

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-Andreson 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 klatimer@wm.edu or (757) 221-2166 for other accepted tests or any questions.