

Saturday Enrichment Program

Spring Session 2: 2020



March 7 & March 14, 2020

9:30 a.m.–3:00 p.m.

Center for Gifted Education
William & Mary

Program Site: William & Mary Campus



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 optimal functioning of high-ability individuals over their lifespan.

Saturday/Summer 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 an individual student's area of interest,
- 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. For more information about this program and other precollegiate programs, please contact the Center for Gifted Education at (757) 221-2166.



PROGRAM TIMELINE

February 7, 2020: Early Bird
Registration Deadline

February 14, 2020: Course
assignment decisions made;
classes that do not meet the
minimum enrollment
requirement will be cancelled

February 17-21, 2020: Session
schedules and information
packets emailed to families

February 28, 2020: Deadline for
payment of outstanding
tuition balances

March 7, 2019: Classes begin

March 14, 2019: Final class

PRECOLLEGIATE LEARNER PROGRAMS STAFF

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Course Descriptions

Grades K-2

THE HUMAN BODY: A MARVELOUS MACHINE

CODE: 20SPR1-01

Instructor: Colleen Ignacio, MSN, RN

Join us for an amazing journey exploring the human body! How many bones are 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 that grilled cheese sandwich you ate for lunch? How many chambers are in the human heart? Let's have fun exploring our body!

Grades 1-2

LEGO WEDO I

CODE: 20SPR1-02

Instructor: Tim Beatty

LEGO WeDo is a robotics system that combines science, math, and technology to facilitate hands-on, minds-on problem-solving skills, and creative thinking. Use a computer to program a LEGO robot that uses tilt and motion sensors. Create a crocodile that bites or a bird that dances when it senses motion. No previous experience with robotics or LEGO is needed.

Grades 2-3

THE MAGIC OF CODING

CODE: 20SPR1-03

Instructor: Katina L. 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 code.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, The Water Cycle, Learning to code the LEGO robot Vernie and coding games such as Minecraft. Let's explore a new adventure using technology.

Grades 3-5

LEGO ROBOTICS

CODE: 20SPR1-04

Instructor: Pennie Brown

Always wonder how things work? In this course, class participants will explore the ever-changing world of robotics. Using the new NXT robots, students will have

the rare opportunity to build, program, and test the function of various robots. Students will explore ways to program robots to accomplish given tasks and be there to watch it happen. These aspiring scientists will use problem-solving and critical thinking strategies to take their basic knowledge to new levels. The final products are amazing! Your personal creativity is the only limit.

Grades 4-5

THE CONQUEST OF AEROSPACE ENGINEERING

CODE: 20SPR2-05

Instructor: Eric Hoyt

This is a space exploratory program in which students simulate life in space, design and test spaceship components, test parachutes and gliders, build a payload protection system, build and fly a bottle rocket, and develop a space program. Students will also explore the SpaceX and NASA's Moon to Mars Programs. The activities challenge students to experiment and creatively explore their ideas while learning about simple physics, flight dynamics, and electronics. Together, let's reach for the stars!

Grades 4-5

OUR AMAZING COUNTRY

CODE: 20SPR2-06

Instructor: Angela White

What do you need to consider when making your own country? Based on the answers to this question, teams will be formed to work on various aspects of the planning. There will be research, discussions, voting, designing, and creating. We will create a country map, monument, flag, and tourist brochure for the new country. Will the country have a national song? The students will decide.

Grades 5-6

BRIDGES, TOWERS, AND SKYSCRAPERS, OH MY!

CODE: 20SPR2-07

Instructor: Audrey Harris

Students will learn the engineering design process and use it to solve simple engineering practices to implement the process. Have you ever wondered how we build bridges to be so strong? How buildings get to be so high? Can a single piece of cardboard hold you up? How many marbles can you float on a boat made out of one piece of aluminum foil? These questions and more will be asked and answered in this introduction to engineering class.

Course Descriptions

Grades 4-6

Abstract Art from Home and Abroad: Find the Artist Within

CODE: 20SPR2-08

Instructor: Jamie Ball

Students will create a multi-panel art installation based on the style and work of contemporary abstract artists in America and beyond. We will become acquainted with the work and stories of contemporary artists who each have a different approach to creating art. We will learn about their works, their lives, and the themes and inspirations behind their creations. Students will then apply their new understanding to the creation of their own tribute work of similar stylings. By the class conclusion, students will leave with a completed set of art panels and the knowledge and appreciation of abstract art and the process behind it. No previous experience required- just an open mind and the desire to explore, create and get messy. Find the artist you have within!

*As part of the creative process, students are invited to bring both two dimensional and small three -dimensional items to incorporate into their art. (Photos, drawings, clippings, trinkets, gadgets and gizmos, etc.)

Additionally, please bring an oversized t-shirt or art smock to cover your clothing. We may be using acrylics, watercolors and other media to create our masterpieces.

PROGRAM INFORMATION

Tuition: The Early Bird tuition fee (Deadline: January 17th) is **\$255** per course. After the Early Bird deadline, the tuition fee is **\$260** per course. A deposit of **\$50** must accompany the application packet. Deposits will only be refunded if a course is cancelled.

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.

Class placement and size: Class size will be limited to a maximum of 18 participants (with rare exceptions) to provide an optimal learning environment. Program staff will not process a participant's application until all required forms and the tuition deposit 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, or has been cancelled due to low enrollment, the student will be assigned to his or her second or third choice. If no alternate courses have been identified, 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. Tuition refunds will be provided for payments made minus the deposit. Refunds will not be provided for withdrawals occurring after the start of the session.

Dropping off and picking up: Students must be escorted to and from their classroom. Parents are asked to drop off and pick up their child(ren) from designated classrooms within 15 minutes of the start/end of the scheduled class time and to refrain from sitting in vacant classrooms, hallways, and stairwells. Anyone arriving to pick up a child, including the parent or guardian, will need to furnish a government-issued photo ID. This is a requirement at each pick-up regardless of whether or not the individual has previously picked up the child.

Permission for emergency medical treatment: For the safety of your child, parents/guardians must provide an individual health form for each program participant. A new form should be completed with each application packet even if the child has previously participated in SEP. Applications will not be processed unless accompanied by a completed and signed health form.

Medication: Program staff may not administer any medication to students, except for emergency use of an EpiPen for students with extreme allergies. If a child requires medication during program hours, a parent must be on site to administer it.

Faculty: Courses are taught by a variety of talented instructors, including teachers of gifted and talented learners, graduate students, 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.

Lost and found: Personal items that are inadvertently left behind by students will be kept at the Center for Gifted Education for 30 days following the conclusion of the session. After this time, they will be donated to charity.

ADMISSIONS REQUIREMENTS

Returning Participants

Completed program application form and all required documentation.

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 and if the scores may be made available to you.

If documented test scores are not available for your child, please contact Dr. Valerie McDonald at (757) 209-8798 or valeriemcdonald2@gmail.com to schedule a screening appointment. Assessments are conducted on Saturdays. Screening is conducted by appointment only and should be scheduled at least one month prior to the start of the program session to ensure results are available prior to the start of classes. Parents/guardians are responsible for the screening cost (\$100), which is due at the time of testing.

2. Recommendations

For new applicants, a recommendation from a teacher, principal, or counselor must be included with the application packet.

3. Completed program application form and all required documentation.

Please contact the Center for Gifted Education at (757) 221-6198 for other accepted tests or any questions.

American Testronics	Differential Ability Scales (DAS)	Metropolitan Achievement Tests (MAT)	SRA
Brigance Basic Skills (Pre-K)	Differential Aptitude Tests (DAT)	Metropolitan Readiness Test	Stanford Achievement Test
California Achievement Tests	Iowa Tests of Basic Skills (ITBS)	Naglieri Nonverbal Ability Test	Stanford-Binet Intelligence Scale
Cognitive Abilities Test	Kaufman Assessment Battery	National Tests of Basic Skills	Terra Nova (CTBS)
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	Ravens Progressive Matrices	Wechler 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)	Wechler 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)	

Examples of Nationally Normed Tests

SEP APPLICATION FORM

Spring 2: 2020 • Williamsburg, VA | March 7 & 14

Applicant: _____
Last First MI

D.O.B. (MM/DD/YYYY) Age Grade Gender Race (for statistical purposes only)

Home Phone # Best Contact # E-Mail

Home: _____
Street City State Zip Code

School: _____
Name

Street City State Zip Code

School Division/District Name: _____ Public Private

- Has the student previously attended SEP? Yes No *If yes, when:* _____
- If the student has not previously attended, how did you hear about SEP? _____
- Has the student been formally identified for a school-based gifted program? Yes No
- Are you interested in participating in a carpool? Yes No

Help another child attend SEP by giving a tax deductible donation to support scholarships for families in need. If you are

Course Preferences - Please include course code and title below (ex. 20SPR2-01 <i>LEGO WeDo I</i>).
(9:30 a.m.–3:00 p.m.)
1st choice: 20SPR2-_____ _____
2nd choice: 20SPR2-_____ _____
3rd choice: 20SPR2-_____ _____

- Please indicate if a member of your family is a **current** William & Mary faculty/staff member or student: Yes No
 - Please indicate if you are enrolling multiple children: Yes No
 - Please indicate if you wish to be considered for a partial, need-based scholarship? Yes No
- If so, please include a copy of your most recent, signed federal tax return. Requests will not be considered without this documentation.*

Parent/Guardian's Signature: _____ **Date:** _____

Application Packet Checklist:

- ____ \$50 Deposit (checks & money orders payable to William & Mary)
- ____ Pick-Up Form
- ____ Health Form
- ____ Copy of Most Recent Health Insurance Card
- ____ Interview & Photograph Release Form
- ____ Internet Acceptable Use Procedures & Agreement

For First-Time Applications (in addition to above items):

- ____ Copy of approved testing report ____ Student recommendation form

Please submit the completed application packet by **February 1, 2019**. At this time, we will

make final class assignment decisions and courses may be cancelled due to low enrollment.

Please send all application materials to:

Center for Gifted Education, SEP
P.O. Box 8795, Williamsburg, VA 23187-8795

OFFICE USE ONLY		
Received: _____ / _____ / _____	Initials: _____	Amount: _____

SEP PICK-UP FORM

Spring 2: 2020 • Williamsburg, VA

A parent or guardian must complete this form. List below the people allowed to pick up your child from class. Your child's teacher will only release your child to the people listed on this form. Anyone picking up your child, including yourself, will need to furnish a government-issued, photo ID as proof of identity each time he or she picks up the child.

I give permission for the following people to pick up my child from the Saturday/Summer Enrichment Programs. I understand that a government-issued, photo ID will be required as proof of identity. I also understand that my child will **only** be released to people on this list who are able to provide proof of identity.

Please print or type names clearly. Be sure to include your own name as well as the names of others authorized to pick up your child. If you need to make changes at a later date, please submit an amended list.

_____	_____
_____	_____
_____	_____
_____	_____

Child's Name (please print): _____

Parent/Guardian's Name (please print): _____

Parent/Guardian's Signature: _____ **Date:** _____

SEP HEALTH FORM

Spring 2: 2020 • Williamsburg, VA

****Please attach a copy of your medical insurance card****

Student: _____
Last First MI

Parent/Guardian: _____
Last First MI

Relationship to Student Work Phone # Cell Phone #

Parent/Guardian: _____
Last First MI

Relationship to Student Work Phone # Cell Phone #

In case of emergency, please notify (if different from above):

_____ Last First MI

Student's Medical Details

Does your child have any special needs? Yes No *If yes, please specify:*

Current medication(s) and reason(s):

Allergies: _____ Date of Last Tetanus/Diphtheria: _____

Family Physician: _____ Phone: _____

Family Dentist: _____ Phone: _____

Health Insurance Provider/Subscriber's Name: _____

Policy Number: _____

Is there any further information that may have impact on the student's participation in SEP or on the provision of medical care to him or her in the event of an accident? (Include any special dietary restrictions, chronic health conditions, or learning disabilities.) Attach a separate page if necessary.

I give permission to the attending physician to hospitalize and secure treatment for my son/daughter/ward as a minor in the case of a surgical, medical, or psychiatric emergency; or any necessary medical treatment, provided the physician is unable to contact me reasonably soon, and according to his or her best professional judgment if further delay would in fact jeopardize the patient's health or life.

SEP INTERVIEW & PHOTOGRAPH RELEASE FORM

Spring 2: 2020 • Williamsburg, VA

The Center for Gifted Education at William & Mary is constantly striving to have the wonderful projects and experiences students take part in during our programs recognized. To this end, we routinely work with reporters from local news outlets on program publicity. We plan to invite members of the media to visit and engage with the students at some point during the program. We ask your permission as the student's parent or guardian to interview and take photographs of your child for possible inclusion in press materials. Please indicate your willingness to have your child interviewed and/or photographed by selecting the appropriate statement below.

Please initial and choose only one option below:

_____ I am willing to have my child **interviewed and/or photographed** and to have his or her photo and name included in the local newspaper, the Center for Gifted Education website, text of a William & Mary press release, or photograph caption.

_____ I am willing to have my child **interviewed** and to have his or her name included in the local newspaper or text of a William & Mary press release.

_____ I am willing to have my child **photographed** and to have his or her name included in the local newspaper, text of a William & Mary press release, or photograph caption.

_____ I prefer that my child not be interviewed or photographed.

Child's Name (please print): _____

Parent/Guardian's Name (please print): _____

Parent/Guardian's Signature: _____ **Date:** _____

Please note that until the time of publication, we are unaware of which class(es) and/or students will be included in press materials.

SEP INTERNET ACCEPTABLE USE PROCEDURES & AGREEMENT

Spring 2: 2020 • Williamsburg, VA

The Internet is an electronic highway connecting millions of computers and computer users from all over the world. The Internet offers

- electronic mail communications with people from all over the world,
- access to many library catalogs from all over the world,
- information and news from a wide variety of electronic sources,
- public domain software and shareware of all types, and
- access to world wide discussion groups.

Parental Permission

- Students under the age of 18 years must have a parent/legal guardian sign this form before the first use of the Internet.

E-mail

- E-mail accounts will be assigned to students only for the duration of the teacher-directed project.
- Hate mail, harassment, discriminatory remarks and other inappropriate behaviors are prohibited on the network.
- Receipt of inappropriate mail should immediately be reported to a teacher and to the SEP staff.

Copyright and Citations

- Any copyrighted materials are subject to the Fair Use provision of copyrighted materials as it relates to education.
- Internet materials used in reports or other documents must be cited. If there is no direct citation, the Uniform Resource Location (URL) must be cited.

Undesirable Materials

- Students, teachers, and assistants in the SEP program must accept responsibility for restricting access to undesirable materials.
- Students who gain access to undesirable Internet materials must report this material to their teacher.
- Teachers who gain knowledge of undesirable Internet materials must report this material to the SEP staff at the Center for Gifted Education.

Games

- Games may not be downloaded from the Internet without approval from the teacher or the SEP staff.

Listservs

- Listservs may not be subscribed to without approval from a teacher or the SEP staff.

Commercial Use

- Commercial use of the Internet by individuals participating in SEP is forbidden.

Network Etiquette:

You are expected to abide by the general accepted rules of network etiquette. These include, but are not limited to, the following:

- Be polite. Do not send abusive messages to other users.
- Use appropriate language. Do not swear, use vulgarities or any other inappropriate language. Illegal activities are strictly forbidden.
- Do not reveal your or anyone else's personal address or phone number.

Please note that e-mail is not guaranteed to be private.

I agree to the above stipulations and understand that any misuse or abuse of the Internet may result in the suspension or revocation of my Internet account.

Child's Name (please print): _____

Parent/Guardian's Name (please print): _____

STUDENT RECOMMENDATION FORM

Spring 2: 2020 • Williamsburg, VA

Center for Gifted Education, SEP

P.O. Box 8795

Williamsburg, VA 23187-8795

Telephone: 757-221-2362 Email: sep@wm.edu

Parent/Guardian: Please complete Section A and give this form to your child's principal, guidance counselor, gifted program coordinator, or teacher.

Section A

Applicant: _____
Last First MI

Principal, guidance counselor, gifted program coordinator, or teacher: Please complete Section B and either mail it to the Center for Gifted Education at P.O. Box 8795, Williamsburg, VA 23187 or send it via e-mail to sep@wm.edu.

Section B

Recommender: _____
Last First MI

School: _____
Name Position Phone #

_____ Street City State Zip Code

1. Number of years acquainted with student: 0-1 year 1-2 years 2-3 years 3-4 years 5+ years

2. What is your relationship to the applicant?

3. Indicate the level at which the student is currently working:

at grade level 1 grade above 2+ grades above Don't know

4. Indicate the student's likelihood of success in a high-ability enrichment program:

very likely likely somewhat likely unlikely very unlikely

	Very Superior	Superior	Above Average	Average	Below Average
Intellectual curiosity	[]	[]	[]	[]	[]
Demonstrated academic abil-	[]	[]	[]	[]	[]
Academic potential	[]	[]	[]	[]	[]
Problem-solving ability	[]	[]	[]	[]	[]
Study and organizational	[]	[]	[]	[]	[]
Verbal reasoning ability	[]	[]	[]	[]	[]
Mathematical reasoning abil-	[]	[]	[]	[]	[]

Comments (please use back of this form for additional comments):

