Saturday Enrichment Program
for gifted learners

February 20 - March 19, 2016
9:30 a.m. - 12:30 p.m. (5 Saturdays)

Spring SEP Location
William and Mary Campus
Williamsburg, VA 23187

Center for Gifted Education, William & Mary
P.O. Box 8795, Williamsburg, VA 23187-8795
Phone: (757) 221-2362; Fax: (757) 221-2184
http://cfge.wm.edu
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/Summer Enrichment Programs (SEP)

William & Mary’s fall 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 youngsters 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 precollege learner program offerings at William & Mary’s Center for Gifted Education. For more information about this program and other precollege programs, please contact the Center for Gifted Education at (757) 221-2362.

PRECOLLEGIATE LEARNER PROGRAMS STAFF

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PROGRAM TIMELINE

January 30, 2016: Course assignment decisions made; classes that do not meet the minimum enrollment requirement will be cancelled

February 1, 2016: Session schedules and information packets mailed out to families

February 12, 2016: Deadline for payment of outstanding tuition balances

February 20, 2016: Classes begin

March 19, 2016: Final class date
Course Descriptions

Grades K-5

CODE: 16SPR-01
All the World’s a Stage
Naomi Marrow

Bring your creative imagination and a willingness to participate, and this class will take you to places you have never been before. Write your own play and create your own characters, costumes, and make-up. You will develop self-confidence, proper diction, and knowledge of theater.

Grades K-2

CODE: 16SPR-02
Budding Botanists
Deanna Marroletti

An intriguing entry in a mysterious journal tells about a special plant that could be used to fuel cars! You are called to be part of an exceptional team of scientists who will continue the research of the journal’s author, Professor Blackwell. Through observations, inquiry, and experimentation, we will find out what makes plants grow, how they interact with the environment, and how plants can help solve some real-world problems. Can plants improve air quality in polluted cities? Can they be used for alternative energy resources? If you have a green thumb, come design your own terrarium while you learn more about plants as a Budding Botanist!

Grades 1-3

CODE: 16SPR-04
We Do I
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 when it senses motion or a bird that dances. No previous experience with robotics or LEGO is needed.

Grades 3-4

CODE: 16SPR-05
What’s the Matter
Chris Dawson

Calling all scientists... ready to watch things change? In this course, we will be exploring matter and energy. We will ask: How can we change the things around us? What energies and forces cause change? Can we do something to stop matter from changing? We will conduct experiments on the states of matter (solids, liquids, and gases) and come to conclusions about how and why things change. Students will also act like scientists and prepare and present discoveries at a mock science conference.

Grades 1-2

CODE: 16SPR-03
Fun with Mathematics
Lillie O. Smith

Is a dynamic interactive approach to Geometry where students explore the world of Mathematics using tiles, cubes and puzzles. The course incorporates hands-on activities to teach students mathematical concepts and ideas. Students explore various dimensions, create a pop-up, and gain an understanding of the wonderful world of Mathematics.

Grades 3-5

CODE: 16SPR-06
Championship Chess: Get into the Competition
Fred Poorbaugh

Are you up for the challenge? Whether or not you have ever played or are nationally rated, here’s your chance to get ready to earn or improve your national ranking. Work on power play and opening strategies, be ready to turn your opponents’ openings into losses, and take advantage of blunders across the board while you earn Chess for Success Achievement Cards that show just how much you know. From the first move all the way to checkmate, you'll stretch your problem-solving skills, exercise your critical thinking and build your “chess muscles.” Learn about official tournament play, use game clocks and analyze your games like the top players. Get competitive with expert game analysis, supportive video and online game play, culminating in a class championship.
Course Descriptions

Grades 4-5

CODE: 16SPR-07
Orion Space Academy
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, go geocaching with a GPS unit, build and fly a bottle rocket, and design a space program. Students will also learn about NASA’s Orion space vehicle and the International Space Station. 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!

CODE: 16SPR-08
Battles and the Bard
Lisa Cooper Scriverich

William Shakespeare also known as The Bard wrote 37 plays and 154 sonnets. His plays are full of conflicts—between man and woman, between man and the spirits, and man and nature. We will explore the key element of conflict in five of his plays such as A Midsummer Night’s Dream, Hamlet, Taming of the Shrew, etc. Shakespeare intended for his plays to be experienced so with this in mind, we will assign roles and perform several scenes from each play. In addition, we may have visiting actors present scenes. Each week we explore the history of the time period by creating a project in class to take home such as a replica of the Globe Theatre, Tower of London, a Navigator’s Quadsant, Tudor Mask, and more.

Grades 6-8

CODE: 16SPR-10
Video Game Creation
Bonnie Adams

Students will learn to design and create video games according to the rules and regulations of the National STEM Video Game Challenge, and submit their creations into the contest. Games will be created using Scratch or GameMaker. Games may be as simple or complex as the designer chooses, but will also be connected to a learning theme to be submitted to the contest.

Grades 7-9

CODE: 16SPR-11
Speak so People Will Listen. Write so People Will Believe.
Lisa Cooper Scriverich

Have you ever considered a career In Law? Business? Communications? Two key skills needed to succeed as a lawyer, business executive, or communications personnel are PUBLIC SPEAKING and PERSUASIVE WRITING. We will practice the art of speaking in public and craft persuasive pieces of writing applicable to these three fields. Some of our other exciting activities include creating commercials, participating in mock trials, and becoming a television news anchor or reporters. Possible guest speakers from applicable fields and a potential field trip to W&M’s own law school will be scheduled.

Grades 4-6

CODE: 16SPR-09
Leggo Robotics I
Penny Brown

Always wonder how things work? In this course, class participants will explore the ever-changing world of robots. 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 10-12

CODE: 16SPR-12
SAT Math Prep for the New SAT
Sang-Hyon Chu

This SAT Math prep is offered for the students who want to learn how to do their personal best on the Math section of the new SAT. There will be many changes on SAT Math. During this 3-week intensive course (3 hours each Saturday), the students will review key properties and facts, and reinforce their mathematical skills. This SAT Math Prep course will encourage students to develop in-depth understanding and build confidence for the SAT Math.
Program Information

Tuition: The tuition fee is $350 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 eight participants will be cancelled.

Class placement and size: Class size will be limited to a maximum of 16 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 pick 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 10 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 participated in SEP before. 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 or disposed of.
Admission Requirements

Returning Participants

Completed program application form and all required documentation.

New Applicants

1. Test scores

Students who have scored in the upper 5th percentile (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 call (757) 221-6198 to schedule a screening appointment. Assessment are conducted on Saturdays at the Center’s main office (301 Monticello Ave., Williamsburg, VA 23185). Screening is conducted by appointment only and should be scheduled at least 3 weeks 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, 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.

Examples of Accepted Nationally Normed Tests

Please contact the Center for Gifted Education at (757) 221-2362 for other accepted tests and questions.

<table>
<thead>
<tr>
<th>American Test</th>
<th>Differential Ability Scales (DAS)</th>
<th>Metropolitan Achievement Tests (MAT)</th>
<th>SRA</th>
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</thead>
<tbody>
<tr>
<td>Brigance Basic Skills (Pre-K)</td>
<td>Differential Aptitude Tests (DAT)</td>
<td>Metropolitan Readiness Test</td>
<td>Stanford Achievement Test</td>
</tr>
<tr>
<td>California Achievement Tests</td>
<td>Iowa Tests of Basic Skills (ITBS)</td>
<td>Naglieri Nonverbal Ability Test</td>
<td>Stanford-Binet Intelligence Scale</td>
</tr>
<tr>
<td>Cognitive Abilities Test</td>
<td>Kaufman Assessment Battery</td>
<td>National Tests of Basic Skills</td>
<td>Terra Nova (CTBS)</td>
</tr>
<tr>
<td>Cognitive Assessment System (CAS)</td>
<td>Kaufman Brief Intelligence Test (K-BIT)</td>
<td>Otis-Lennon</td>
<td>Test of Language Development</td>
</tr>
<tr>
<td>Columbia Mental Maturity Test</td>
<td>Kaufman Test of Educational Achievement (K-TEA)</td>
<td>Peabody Individual Assessment Test</td>
<td>Universal Nonverbal Intelligence Test (UNIT)</td>
</tr>
<tr>
<td>Comprehensive Inventory Basic Skills (CIBS)</td>
<td>KeyMath</td>
<td>Ravens Progressive Matrices</td>
<td>Wechsler Intelligence Scale for Children (over age 6)</td>
</tr>
<tr>
<td>Comprehensive Test of Basic Skills (CTBS)</td>
<td>Kuhlmann-Andresen Measure of Academic Potential</td>
<td>Screening Assessment for Gifted Elementary and Middle School Students (SAGES-2)</td>
<td>Wechsler Preschool and Primary Scale of Intelligence Test (WPPSI-III) (under age 6)</td>
</tr>
<tr>
<td>Comprehensive Testing Power (CTP)</td>
<td>Leiter International Performance Scale</td>
<td>SAT</td>
<td>Wide Range Achievement Test</td>
</tr>
<tr>
<td>Degrees of Reading Power (DRP)</td>
<td>Matrix Analogies Test (MAT)</td>
<td>Slosson Intelligence Test (SIT)</td>
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SEP APPLICATION FORM
February 20 - March 19, 2016; Williamsburg, VA

Student’s Name: _______________________________________________________________

Last: _________________________________________ First: _____________________________ M.I: ______________

Date of Birth (mm/dd/yy) Race (For statistical purposes only) Gender (M/F) Student’s Grade

__________________________ ________________________________ ____________________________

Student’s Age Home Phone #: Parent’s E-Mail Address

__________________________ ________________________________ ____________________________

Home Address: _____________________________ _____________________________ ____________________________

Number/Street City State Zip Code

School Name and Address: ______________________________________________________________

Name: ______________________________________________________________ Number/Street: ______________ City: _____________________________ State/Zip Code: ______________

School Division or District Name: ____________________________________ Private __ Public

• 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 interested, please send a separate check for the amount of your donation made payable to William & Mary.

<table>
<thead>
<tr>
<th>Course Preferences</th>
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<tbody>
<tr>
<td>Course Code</td>
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<tr>
<td>------------------</td>
</tr>
<tr>
<td>First choice 16SPR-___</td>
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<tr>
<td>Second choice 16SPR-___</td>
</tr>
<tr>
<td>Third choice 16SPR-___</td>
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</tbody>
</table>

• Please indicate if you are currently involved at William & Mary as a __faculty member __staff member __student

• Please indicate if you are enrolling a second child: __second sibling discount

• Do 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.

Signature: _____________________________ Date: _____________________________

Application Packet Checklist
__$50 Deposit, please make checks payable to William & Mary
__Student health form
__Copy of medical insurance card
__Pickup form
__Interview and photograph release form

For First-Time Applications (in addition to above items)
__Copy of test scores
__Student recommendation form

Please submit the completed application packet by January 30, 2016. 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, William & Mary,
P.O. Box 8795, Williamsburg, VA 23188-8795

OFFICE USE ONLY
Packet Received: ____________ Check/NO # ____________ Check/NO Date ____________
Amount $ ____________ Received: ____________
SEP HEALTH FORM
February 20 - March 19, 2016; Williamsburg, VA

Student's Name: ____________________________________________________________

Last     First     M.I.

Parent/Guardian Name: ______________________________________________________

Last     First     M.I.

Relationship to Student: ___________________________ Work Phone #: __________

Cell #: ___________________________

Parent/Guardian Name: ______________________________________________________

Last     First     M.I.

Relationship to Student: ___________________________ Work Phone #: __________

Cell #: ___________________________

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

Last     First     M.I.

Relationship to Student: ___________________________ Phone #: ________________

Student's Medical Details

Does your child have any special needs? __Yes __No If yes, please specify: __________

Current medication(s) and reason(s): __________________________________________

__________________________ Date of Last Tetanus/Diphtheria: ________________

Allergies: ____________________________

Family Physician: ____________________________ Phone: ____________________________

Family Dentist: ____________________________ Phone: ____________________________

Health Insurance Provider/Subscriber's Name: ____________________________

Policy Number

Please attach a copy of your medical insurance card

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 hospitalized 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.

Signature: ____________________________ Date: ____________________________

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SEP PICK-UP FORM
February 20 - March 19, 2016; Williamsburg, VA
Please complete a separate form for each child.

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

I give permission for the following individual(s) 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 not be released to any individual(s) not on this list or who are unable 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.

 parent name: ____________________________________________________________

Parent/Guardian Signature: ____________________________________________________________

Child’s Name: ____________________________________________________________ Date: ____________________

Optional
Parent Release Form
Allowing students in grade 7 or higher to walk unattended to the parking lot.

Use the pick-up form above if you want your seventh-grade or older child to be picked up from the classroom. If, instead, you prefer to give permission that allows him or her to walk to the parking lot unescorted, you must complete and sign this optional section:

I give permission for ______________________________ to leave the classroom and walk

(Student’s Name)

unescorted to the parking lot. I will not hold the class instructor, the Saturday/Summer Enrichment Programs, the Center for Gifted Education, or William & Mary responsible in any way for my child’s welfare after he or she departs from the classroom.

Parent/Guardian Name (please print): _____________________________________________

Parent/Guardian Signature: ____________________________________________________________

Child’s Name: ____________________________________________________________ Date: ____________________
SEP PERMISSION TO INTERVIEW AND PHOTOGRAPH FORM
February 20 - March 19, 2016; 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 new 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.

_______ I am willing to have my child interviewed and/or photographed and to have his or her name included in the local newspaper, 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: ___________________________ Date: __________________

__________________________________________________________________________________________________________________
Parent’s Name: ________________________________

__________________________________________________________________________________________________________________
Parent’s Signature: _______________________________

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

Saturday/Summer Enrichment Programs
William & Mary
Center for Gifted Education
P.O. Box 8795
Williamsburg, VA 23187-8795
Telephone: 757-221-2458 Fax: 757-221-2184

Parent/Guardian: Please complete Section A, and then give this form to your child’s principal, guidance counselor, gifted program coordinator, or teacher. Letters of recommendation should be mailed or e-mailed directly to the Center for Gifted Education.

Section A
Name of Applicant: ____________________________________________________________

Last                                      First                                      M.I.                        

Principal, guidance counselor, gifted program coordinator, or teacher: Please complete this form and either mail it to the above address or send it via e-mail to sep@wm.edu.

Section B
Recommender’s Name: _________________________________________________________

Last                                      First                                      M.I.                        

School Name: ________________________________________________________________

Position: ____________________________________________________________ Phone: ____________________________

School Address: ____________________________________________________________

City __________________________ State: ________ Zip: ________ Phone: __________________

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. Please rate this student in the following categories:

   Intellectual curiosity
   Very Superior  O  Superior      O  Above Average  O  Average      O  Below Average  O

   Demonstrated academic ability
   O  O  O  O  O  O

   Academic potential
   O  O  O  O  O  O

   Problem-solving ability
   O  O  O  O  O  O

   Study and organizational skills
   O  O  O  O  O  O

   Verbal reasoning ability
   O  O  O  O  O  O

   Mathematical reasoning ability
   O  O  O  O  O  O

4. Please characterize the level at which the student is currently working:
   ___ at grade level      ___ 1 grade above      ___ 2+ grades above      ___ Don’t know

5. Rank the student’s likelihood of success in a high-ability enrichment program:
   ___ very likely      ___ likely      ___ somewhat likely      ___ unlikely      ___ very unlikely

Comments:

___________________________________________________________________________________________

___________________________________________________________________________________________

If you would like to include additional comments, please use the back of this form.

Signature of Recommender: ____________________________ Date: _______________________

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