



Saturday Enrichment Program

University of Virginia

Curry School of Education



Launch Your Potential!

We engage gifted and high-ability students in high quality learning experiences designed to expose them to topics and ideas that are beyond those they might get in their typical classroom environment.

This program serves students currently enrolled in **grades K-5.**

SEP is grounded in best-practices in curriculum & instruction. We have a dynamic staff of specialists in fields ranging from engineering to medical ethics to economics.

Past offerings include:

- Cell Biology; Create a Mobile Phone App;
- Greek Theater,
- Meteorology, Fluid Mechanics, Abstract Art, Architecture

See our website for this year's class offerings.



2016 Program Dates

January 23

January 30

February 6

February 13

February 20

(snow date: February 27)

2016 Program Times

9:00—11:00 a.m. **or**

11:30 a.m.—1:30 p.m.

Program Location

On Grounds
at the
University of
Virginia



Apply Now!

Online application & more program information
available at **curry.virginia.edu/sep**

Application Dates

Applications are available October 15,
2015 and are due December 1, 2015

Need-based Financial Aid Available

CONTACT

Saturday & Summer Enrichment Program
P.O. Box 400264
Charlottesville, VA 22904-4264
434.924.3182
E-mail: curry-sep@virginia.edu
Julie Baird, Director

Saturday Enrichment Program University of Virginia 2016



A Saturday Morning Enrichment Program for
Gifted and/or High Ability Students
in Grades K-5

Located on the Grounds of the University of Virginia

January 23 through February 20
Snow make-up date: February 27

9:00 – 11:00 a.m. (early session) or
11:30 a.m. – 1:30 p.m. (late session)

Application Deadline: December 1, 2015
Confirmation of Acceptances: December 16, 2015
Payment Deadline for Accepted Students: January 4, 2016

APPLY ONLINE!

Visit our website: <http://curry.virginia.edu/sep>

Sponsored by University of Virginia Curry School of Education

2016 Saturday Enrichment Program Application Information

What are our program goals?

For almost 40 years, the Saturday Enrichment Program has offered unique learning opportunities to over 24,000 highly capable young children. Our instructors develop courses intended to:

- ❖ Expose students to new areas of interest and extend existing understandings
- ❖ Provide intellectual stimulation through interaction with other students with similar interests and abilities
- ❖ Provide learning experiences which challenge the students and target their learning preferences
- ❖ Encourage creative and critical thinking and problem solving
- ❖ Foster skills for independent learning
- ❖ Develop habits of mind of the professional in a specific discipline or across disciplines

Who should apply?

Students in grades K-5 who are currently participating in a gifted program and/or who demonstrate above average abilities and/or achievement in one or more areas should apply. Home-schooled students who exhibit the same characteristics are also welcome to apply. Applicants should demonstrate a desire to learn and the ability to work independently, as well as cooperatively, in a classroom setting. Previous application or acceptance to the program has no bearing on the consideration of this application.

What is the cost?

The cost is \$175 per course.

How do we pay?

If accepted, we will send you information about how to pay. Payment is due upon notification of acceptance and no later than January 4, 2016. Prompt payment prevents forfeiture of your child's placement. We accept credit card payments online (Visa and MasterCard only), checks online, and checks and money orders by mail. No refunds are possible after January 11, 2016.

Are financial scholarships available?

\$75 scholarships are available for students who are eligible for their school's free/reduced lunch program; this scholarship reduces the total cost to \$100.

What session do I choose?

The same course material is taught from 9:00–11:00 a.m. and 11:30 a.m. – 1:30 p.m. You can sign up for the time slot that best fits your family's schedule. Due to the number of applications, each student may only attend **one** session.

How do students select a class?

Students should indicate which classes they would most like to take by prioritizing their Top 4 choices (or more, if you want to write them in.) Every effort will be made to place qualifying students in one of their top choices of class. However, if certain classes are very popular, they may be offered a class that is not high on their priority list.

How do I apply?

Applications are completed online at <http://curry.virginia.edu/sep>. **Parents/Guardians** complete the information section and the Parent Evaluation. **Your child's teacher** completes the Teacher Recommendation. Alternately, you can print a hard copy, fill it out and mail it to us along with the Teacher Recommendation Form in a sealed envelope to:

Saturday Enrichment Program
P.O. Box 400264
University of Virginia
Charlottesville, VA 22904-4264

How are applications processed?

All completed applications will be processed after December 1. Comments furnished by school personnel are **strictly confidential**. The SEP staff evaluates recommendation forms, student requests, and class space and makes acceptance decisions. We make every effort to place qualifying students in one of their top four choices. Applications received after the December 1, 2015 deadline are automatically placed on a waitlist. Space permitting, we will invite students from the waitlist to participate.

DEADLINE FOR APPLICATIONS IS DECEMBER 1, 2015

Notification of acceptance will be sent via email on or before December 16, 2015

Grades K – 1

Six choices

Become a Veterinarian
¡Explora Español!
Happily Ever After?
Molecular Madness to Biological Boldness!
Not-So-Simple Machines
Storytelling through the Ages

NOTE: Students must be at least five years old by February 1, 2016 and enrolled in kindergarten

Become a Veterinarian

If you love animals, being a veterinarian could be the perfect career for you! During this course your child will explore what it takes to be a veterinarian, such as the importance of developing empathy for all living creatures. Through role playing, hands-on activities, and guided discovery, your child will acquire knowledge and skills that are authentic to the field of veterinary medicine. We will explore topics like germs and bacteria, first aid techniques, and the characteristics of various animals. During our time together, your veterinarians-in-training will help our injured animal friends by solving medical mysteries, using a microscope, applying their knowledge of first aid, and much more! Welcome to our animal hospital!

¡Explora Español!

In this class, students will become familiar with the Spanish language and explore aspects of Hispanic cultures. Students will learn basic vocabulary and grammar in a friendly and engaging way through play-based activities that highlight common Spanish phrases. During our five weeks together, we plan to cover greetings and goodbyes, colors, numbers, animals, family members, common expressions and verbs, vowel sounds, sports, food, and emotions. Students will practice speaking and comprehending Spanish sentences through exciting activities involving music, videos, storytelling, projects, and games. Classes will be conducted in Spanish (by a native speaker) and English so that students are immersed in the language. Come and experience the excitement of learning a new language!

Happily Ever After?

The characters from familiar fairy tales and other stories are in trouble! Each of their stories has a happy ending, but is it possible to solve their problem in a better way? During this course you will assist Rapunzel in escaping her tower, keep Humpty Dumpty from getting hurt, and help the Billy Goats Gruff safely cross a bridge. These Science, Technology, Engineering, and Math (STEM) activities will challenge you to use everyday materials in creative ways to solve the characters' problems. You will create baskets, bridges, parachutes, and other items to help the characters reach their happily ever after!

Molecular Madness to Biological Boldness!

Ever wonder how all those bazillions of atoms in your body work together to make you the unique person that you are? Join us as we take a trip into the molecular world of the teeny tiny and microscopic, through to the macroscopic! You will learn about the histology and physiology of the body and study organ systems like your heart, skeleton, and brain. Through interactive activities, we will discover how neurons fire, how your muscles work, and how your brain and heart function to help your body run smoothly. Take a journey to learn how you become you!

Not-So-Simple Machines

In this exciting hands-on class, we will explore simple machines and how we use them in our everyday lives. Have you ever used a screw to peel a pineapple, or a wedge to eat your noodles? Can you imagine a car without wheels being pushed uphill? To inspire our inner engineers, we will hear stories about artists, inventors, and builders and how sometimes things don't turn out as we expected! Then, with our tool belts fastened and inspiration in hand, we will build Rube Goldberg inspired chain-reaction contraptions using recycled materials. Can you figure out how to roll a ball down an inclined plane to set your dominoes in motion? What will happen next?

Storytelling through the Ages

Can you tell a story without words? We usually think of stories as things that are written down, but they have been told in many different ways! Ancient societies painted their histories on the walls of caves and bards travelled from town to town singing about the brave deeds of heroes. In this course, we will start at the roots and explore the beginnings of storytelling. We will also examine how these ancient methods of storytelling evolved into popular works today, like the stories written by Dr. Seuss and tales of superheroes like Spiderman. We will also talk about things that are common to all stories, no matter when or how they are told. Ultimately, you will choose your favorite method of ancient storytelling and create your own stories to share!

Grades 2 – 3

Eight choices

Around the World and Back
Art History from Michelangelo to Warhol
How to Survive in Outer Space
To Infinity and BEYOND!
The Magic of Storytelling
Mindtrek Theater
Prove It!
Sustainability in Everyday Life

Around the World and Back

Imagine going on an exciting five week trip across the globe. Join our class and you can! Each week we will explore a new part of the globe. You'll become historians, anthropologists, and archaeologists as we encounter various fascinating cultures. We will start off in North America to learn about ourselves and our neighbors above and below, then travel to South America to see how the rainforests grow. We'll stop by Africa and learn about the foods that they eat. We'll journey through Europe and Asia—imagine the people you will meet! Australia and Antarctica will be the last stops before we come back home. Buckle up and get ready to roam!

Art History from Michelangelo to Warhol

Picasso said, "Every child is an artist. The problem is how to remain an artist once we grow up." Hold on to your inner artist by immersing yourself in the world of the masters and creating your own masterpieces inspired by some of the greatest artists the world has ever produced! Together we will learn about how art changed from Michelangelo's angels of the Renaissance to our modern world of Pop Art and Andy Warhol's Campbell's Soup. Throughout the course, we will look at great works of art and learn how to examine and critique them. We will also discuss each artist and movement and create our own art inspired by the Renaissance, Impressionism, Expressionism, Cubism, Surrealism, Abstract, and Pop Art. Our class will end with a student art show, giving everyone a chance to show off their newest masterpieces!

How to Survive in Outer Space

Join our mission into the dangerous realms of outer space! We have been recruited as scientists to explore how things work on earth and apply this knowledge to traveling the universe. We will investigate a number of physical and biological systems, including robots, the human body, and agriculture, and use what we learn to determine how humans can survive in outer space! Our quest will involve curiosity-driven explorations of core scientific principles through hands-on projects, and collaborative discussions to extend our understanding to new realms. In this class, you will join fellow scientists on a first-hand examination of nature's systems in hopes of learning how to keep us safe and comfortable during our mission to space!

To Infinity and BEYOND!

Join us as we explore the many components of the universe! During this course, we will discuss components of space travel, how scientists research our vast universe, and how scientific experiments can enhance understandings of the world. Our learning experiences will take the form of problem-based learning, where we will learn about the value of different perspectives, collaborate and work as a team to complete project work, and practice expressing our individual voices throughout our scientific explorations. Our expedition will lead us beyond earth and into entirely new worlds of our own creation!

The Magic of Storytelling

There is something magical about the phrases, "let me tell you a story" and "once upon a time." With a few words we can be transported to another world! Have you ever wondered what exactly is the *story* of storytelling? What is it that makes a story come to life? How do stories originate, become popular, and change over time? In this class, we will dive into these questions and together explore the magic of storytelling. We will discuss urban legends, fairytales, folktales, movies, and more! We will also make magic of our own by creating, sharing, and discussing our original stories. Come with us and discover the magical world of storytelling!

More 2nd/3rd grade class choices on next page:

Mindtrek Theater

Theater has existed for centuries, and has the power to help us make sense of our past, present, and future. In Mindtrek Theater, we will talk about the conventions of theater and explore how these theatrical elements can help us make sense of a specific problem that we choose as a class. Students will work through all the obstacles of designing a play, including creating characters, scripts, props, and backdrops while engaging in problem solving and team-work challenges. At the end, we will have a full theatrical performance which solves all aspects of our chosen problem. You don't want to miss this unique experience!

Prove It!

The earth is round. The speed of light is faster than the speed of sound. Humans are closely related to chimpanzees. These are some examples of statements that are considered scientific facts, but how do we know these things are true? In this course, we will work like scientists by putting bold scientific statements like these to the test through hands-on experimentation and critical examination of current and historical research. Once we have mastered the scientific process, we will turn to our own sense of how the world works and end the course by designing experiments to test our own questions. If you've always wondered how we know the things we know, now is the chance to prove it!

Sustainability in Everyday Life

Where does our food come from? What happens to things we put in the garbage? How can we make sure we have enough clean water? These questions are related to the concept of *sustainability*. In this class we will learn about the impact that our actions can have on the environment, both good and bad. Each week we'll focus on one interesting aspect of our environment, like our water supply and agricultural systems. Through discussions, demonstrations, and hands-on projects, we will investigate current environmental problems and brainstorm solutions, both big and small. At the end of this class you will have a toolkit of sustainable practices that you can use in your everyday life!

Grades 4 – 5

Eight choices

Blog It!
Build It!
Civil War Technology
The Future is Here: 3-D Printing
It's a Small World After All
Got Questions? Get Answers
Unlock the Mysteries of the Human Brain
The Way We Are Wired: Thinking about Intelligence

Blog It!

Do you have something that you love to do, like dance, basketball, horseback riding, or painting? Why not create a blog about it? Armed with a reporter's notebook and camera, you can become a journalist. You will learn how to conduct interviews, take photos and videos, and create articles. During this class we will work on researching, writing, and editing skills that can be used in your blog and any other writing you choose to do. In the end you will have created your very own blog that showcases your interest and/or passion!

Build It!

Do you love building things? Whether it is a fort in your bedroom, a doll house, or your own world in Minecraft, creating new structures can be an exciting and challenging experience. In this class you will acquire the knowledge and skills you need to become a better builder, building designer, or architect. Over the course of our five sessions, we will explore the different scales of building in architecture and look at interesting examples of furniture, building structures, and materials used in construction. Our learning experiences will include a variety of engaging hands-on projects. Throughout the class, you will use everyday materials in our environment to construct new and useful objects, while also learning about fundamental principles of construction and architecture. Let's build it!

More 4th/5th grade class choices on next page:

Civil War Technology

Have you ever wondered about the origins of submarines, railroad networks, steel bridges, instantaneous communication, mobile photography, or modern professional nursing? All of these things came about during the American Civil War! In this course you will become familiar with the men and women who were responsible for these and other important scientific and industrial developments during this fascinating time in American history. Our learning experiences will include engaging with visual and textual primary source material, participating in guided discussions, and exploring interesting and important historical facts through varied interactive activities. In this course, history and science will come together in a powerful way. Welcome to the world of Civil War technology!

The Future is Here: 3-D Printing

3-D printing is a game changer in human-machine interaction. What you can make is almost limitless—if you can stack it, you can print it! In five years, 3-D printers that make building materials, tissues, and food have revolutionized construction, medicine, and culinary arts. In the next 10 years, 3-D printing could revolutionize space travel, allowing us to manufacture everything needed to survive outside of Earth. In this class, we'll work together to identify personal and group projects, creating 3-D files and printed projects that address a need. Come explore the world of 3-D printing with us! Come explore the future.

It's a Small World After All

We live in an exciting world full of all kinds of living things too small to see with our eyes, like microbes! Microbes do much more than just make us sick: they help make bread, yogurt, vitamins, and medicines. Did you know that some of these microbes live where no other plants and animals can survive, such as within the ice in Antarctica or inside of a volcano? We will be learning all about these microbes through question-based discussions, games, and experiments. During this course we will learn about the microbes found in different environments around the world, how they are used to make the foods that we eat, and what some of the little microbes that live inside of our bodies look like! Join us as we take a peek into the tiny and fascinating world of microbes!

Got Questions? Get Answers!

Have you ever had questions you weren't quite able to answer? Have you ever found yourself asking whether a leaf is dead or alive? Whether one person can know everything? What your imagination actually is? During this course, we will learn how to think about these questions and many more! You will become a philosopher and learn how to tackle tough questions with an arsenal of logical tools. Along the way, we will learn about how famous thinkers, such as Plato and Aristotle, chose to think about the world and develop our own understanding of the "what" and "why" of the world around us.

Unlock the Mysteries of the Human Brain

What do YOU think the brain does? What do you think it *doesn't* do? It probably does that too! In this course, we will learn about how the brain works and discover the thousands of things that it does each and every day. Through a variety of hands-on and engaging activities, we will analyze the differences between human brains and the brains of other animals, investigate the important and exciting jobs of different parts of the brain, and begin to understand how our brains work. At the end, you even get the chance to touch a real human brain! Put on your thinking caps and get excited to unravel the mysteries of the human brain!

The Way We Are Wired: Thinking about Intelligence

Have you ever wondered what intelligence is, or how it appears in each person differently? This course aims to answer these questions by exploring the history of intelligence and how it is related to the brain. We will also talk about theories of intelligence (like Dweck's mindset and Gardner's multiple intelligences) and discover how our different personalities can lead us to express intelligence in different ways. Along the way, we will engage in debates, construct models of the brain, and create concept maps of our personalities and intelligence to explore how we are wired. Take on the rare opportunity dive into your own brain and understand how you learn!

PART I:

To be completed by parent /
guardian

Please mail with Parts II and III to be
considered for acceptance.

Application Form 2016

Saturday Enrichment Program
P.O. Box 400264
University of Virginia
Charlottesville, VA 22904-4264
Office: 434-924-3182

Application Deadline:
December 1, 2015

You may also apply online at
<http://curry.virginia.edu/sep>

Student & Parent/Guardian Contact Information

Student's Name _____ Gender _____ DOB ____/____/____
First MI Last MM DD YY

Mailing Address _____
Street City State Zip

Parent Guardian Name: _____ email address _____

Parent/Guardian Name _____ email address _____

Please list phones numbers where we can reach you now and during the Saturday morning classes:

Parent/Guardian: (____) ____-____ cell number (____) ____-____ home number

Parent/Guardian: (____) ____-____ cell number (____) ____-____ home number

What school does the student currently attend? _____

Current Grade (Circle one): K 1 2 3 4 5

Does your child have any current medical conditions / allergies we should be aware of? _____

Are your child's immunizations / shots current? ____ Yes ____ No

How did you hear about SEP? _____

List courses for your grade level in order of preference: *(Note: Students may be placed in any of their choices; **please do not** list any classes you are not willing to take).*

1. _____ 3. _____

2. _____ 4. _____

Are you submitting an application for more than one child? If yes, please list names and grades:

1. _____ 2. _____

Please indicate time preference: ____ Early (9:00 – 11:00 AM) ____ Late (11:30 AM – 1:30 PM)

Scholarship information:

You can be considered for a \$75 scholarship if your child is eligible for the free or reduced-price lunch at school. If you wish to be considered, please indicate whether or not they are eligible here: _____

Part II: To be completed by Parent / Guardian

Application Deadline: December 1, 2015.

Please mail completed packet - including Parts I, II, and III (teacher's portion) - to be considered for acceptance.

Name of Student: _____ Current grade: _____

Please draw upon your knowledge of your child and determine the degree to which you agree or disagree with the statements below using the following scale:

4 = Strongly Agree (SA) that the child demonstrates this behavior

3 = Agree (A) that the child demonstrates this behavior

2 = Disagree (D) that the child demonstrates this behavior

1 = Strongly Disagree (SD) that the child demonstrates this behavior

	<u>SA</u>	<u>A</u>	<u>D</u>	<u>SD</u>
1. The child takes risks when answers may be uncertain or new skills have to be developed.	4	3	2	1
2. The child follows through on a task until completion even if the work is difficult.	4	3	2	1
3. The child demonstrates exceptional understanding of, and insight into, material presented.	4	3	2	1
4. The child demonstrates ability to apply knowledge to practical situations.	4	3	2	1
5. The child learns easily and readily.	4	3	2	1
6. The child notices many things that other children do not notice.	4	3	2	1
7. The child communicates in creative ways: building, drawing, body language, music.	4	3	2	1
8. The child is highly imaginative in artwork, play, or use of materials or ideas.	4	3	2	1
9. The child generates numerous ideas or solutions to problems and questions.	4	3	2	1
10. The child is sensitive to the opinions and ideas of others and listens readily to peers' comments.	4	3	2	1

Parent/Guardian Name _____

Date _____

Parent/Guardian Signature _____

Part III: Teacher Recommendation Form 2016

Part III: Sections A & B must be filled out completely by the TEACHER in order for this application to be considered. All comments furnished by school personnel are strictly confidential. Please fold, staple or seal, place the student's name where indicated, and sign where indicated. Return the completed, sealed form to the family for inclusion in the complete application packet.

Name of Student: _____ **Current Grade (Circle one):** K 1 2 3 4 5

SECTION A. COMMENTS: Please give specific examples of this student's behavior in the areas of:

Social/emotional maturity:

Independent learning:

Collaborative learning:

Task commitment:

SECTION B. RATING SCALE: Please draw upon your knowledge of this student's behavior in a classroom situation and determine the degree to which you agree or disagree with the statements below using the following scale:

- 4 = Strongly Agree (SA) that the child demonstrates this behavior
3 = Agree (A) that the child demonstrates this behavior;
2 = Disagree (D) that the child demonstrates this behavior;
1 = Strongly Disagree (SD) that the child demonstrates this behavior

	<u>SA</u>	<u>A</u>	<u>D</u>	<u>SD</u>
1. The child takes risks when answers may be uncertain or new skills have to be developed.	4	3	2	1
2. The child follows through on a task until completion even if the work is difficult.	4	3	2	1
3. The child demonstrates exceptional understanding of, and insight into, material presented.	4	3	2	1
4. The child demonstrates ability to apply knowledge to practical situations.	4	3	2	1
5. The child learns easily and readily.	4	3	2	1
6. The child notices many things which other children do not notice.	4	3	2	1
7. The child communicates in creative ways: building, drawing, body language, music.	4	3	2	1
8. The child is highly imaginative in artwork, play, or use of materials or ideas.	4	3	2	1
9. The child generates numerous ideas or solutions to problems and questions.	4	3	2	1
10. The child is sensitive to the opinions and ideas of others and listens readily to peers' comments.	4	3	2	1

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-----FOLD HERE-----

STUDENT'S NAME _____ GRADE _____

RECOMMENDING TEACHER'S SIGNATURE _____

RECOMMENDING TEACHER'S PRINTED NAME _____

School Name _____

-----FOLD HERE-----

NOTE TO RECOMMENDING TEACHER:

Please complete this form, fold, staple or seal it, and return it to the student's parent / guardian for inclusion in a complete application packet. You may also place this form in an envelope and sign across the flap of the envelope. Please **DO NOT** send this recommendation to SEP separately.

2016 Saturday Enrichment Program Application Packet Checklist

____ Information section and Parent Evaluation section completed by parent or guardian

____ Teacher Recommendation Form completed by teacher, folded and sealed with teacher's signature where indicated

The best way to apply is online at: <http://curry.virginia.edu/sep> though if you prefer to send an application via regular mail, we will gladly accept it. Thank you for your interest in our programs!

Summer Opportunities:

Please visit our website to find out about our Summer Enrichment Program which is a residential summer camp for students who are rising into grades 5 – 11, offered on Grounds at the University of Virginia. Dates for this summer are:

Session 1: June 19 – June 30, 2016

Session 2: July 3 – July 14, 2016

Session 3: July 17 – July 28, 2016



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University of Virginia
Curry School of Education
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Charlottesville, VA 22904-4264