



Montgomery College
Youth Programs
www.montgomerycollege.edu/youth
 240-567-7917

A Special One-day Enrichment
 Program at Montgomery College
 for Gifted and Talented Students
 in Grades 4 & 5

Saturday Discoveries

Discover Science, Humanities, & The Arts!

Germantown Campus
 20200 Observation Drive
 Germantown, MD 20876

Saturday,
January 9th
8:30 a.m.- 2:50 p.m.



Students will attend four small group sessions. Instructors are from the Montgomery College faculty and staff, Montgomery County Public Schools, and the Montgomery County community. Saturday Discoveries accepts students on a first-come, first-served basis.

The cost for this one-day program is \$85. Although students are escorted between classes, staff members are available to assist students in locating their assigned classrooms. Parents are cordially invited to accompany their children to Saturday Discoveries at no additional charge. While students are sharing this exciting educational experience, a special optional workshop for parents will be held from 9:15–11:15 a.m. (see page 3). Separate registration is required for parent workshop.

Montgomery College and the Montgomery County Public Schools are cooperatively presenting this enrichment opportunity for interested and able students to explore topics outside the school curriculum.

Schedule

Report to: Globe Hall in the High Technology and Science Center

8:30–8:45	Check In
8:45–8:55	Welcome/Opening Remarks
9:00–10:15	Small Group Session #1
9:15–11:15	Parent Session (Optional)
10:20–11:35	Small Group Session #2
11:40–12:10	Lunch (Brown Bag)
12:15–1:30	Small Group Session #3
1:35–2:50	Small Group Session #4

DESCRIPTIONS OF SMALL GROUP SESSIONS

1. Animation-Lightening McQueen, Buzz Lightyear, Nemo and Beyond.

What makes the characters in the movies Cars, Toy Story, Finding Nemo, and others so popular? Discuss animated characters and their characteristics. Learn basic animation history and techniques. Learn to create your own characters with personality. Design and paint an original animation cel using new techniques you learn in the class—you could create the next Lightning McQueen! Jennifer Burns, B.A., Visual Arts and Communication, University of Maryland, Graphic Designer.

2. Kids Edible Creations Using Math.

Students will be able to use capacity and fractions to create a great snack without using an oven. How can that be? Math and food? Come on in and found out how we do this. Terri Miller, B.S. University of Maryland, adjunct faculty of Montgomery College.

3. Critical Thinking Skills, Panorama. Hands-on games.

Come in and have some fun. Participate in critical thinking activities to engage the skills needed for reading comprehension, word problems, and the all important MSA. In addition, you will have fun learning new techniques. Daphney Ado-Ado, North Carolina Agricultural & Technical State University, adjunct faculty of Montgomery College.

4. Let's Start Twisting: Balloon Animals.

Experience the thrill and excitement of making balloon figures. Learn balloon terminology and the basic twists to form animals such as a dog, giraffe, or parrot. Learn about the different types of balloons and how to inflate and tie them. Use the balloon creations as added touches to parties, club meetings, and other fun gatherings. So, let's start twisting! Bruce Harris, professional optician, member of Clowns of America International, World Clown Association, Kapitol Klowns Alley 6.

5. "Lights, Fields, Bananas, with or without a Cherry".

The science of physics is full of ordinary and not-so-ordinary phenomena. This exploration into several of the "gee-golly-whizzers" of that genre is designed to place junior physicist into a real physics lab and present them with the challenges of conducting real-time experiments exploring the properties of laser beams, geometric optics, gravitational forces, electric and magnetic fields, and much more. All in a hands-on, do-it-yourself environment. Supervised, of course, several eye-and-ear popping demos in the areas of super cold cryogenics (look it up!) and electrical energy storage. Sound interesting? Well, there's more. How about a grand finale topped off with, at the student's option, a bright red cherry. What's that have to do with physics? Come and see!! Andrew Toman, B.S., E.E., Pennsylvania State University, adjunct faculty of Montgomery College.

6. Physics Fundamentals!!!

Join us for a day of fun as you learn the basic concepts of physics. You will gather the equipment and conduct the experiments in our specially designed "physics lab." Perform basic experiments related to heat, air, water, light, and gravity! Peggy Gregson, M.P.H., University of North Carolina, lecturer of biology, adjunct faculty of Montgomery College.

DESCRIPTIONS OF SMALL GROUP SESSIONS

7. Think Quick III: Creative Problem Solving.

A great surprise is in store for the teams that can provide the most unusual solution to this problem! Join “TEACH” and other young creative problem solvers like yourself on a romping adventure into your imagination. You may be surprised at what you find there! Edward “Teach” Harris, Ph.D. University of Maryland; President, the Institute for Behavioral Studies.

8. Tie-Dying with Kool-Aid!

Did you know that Kool-Aid can be used as something other than as a drink? Well now you can find out all about it! In this class we will both investigate and create different colored dyes, both primary and secondary colors, using Kool-Aid. By the end of this class you will have created your very own masterpiece with KOOL-AID! Stacy Stickels, B.A., Special Education, Towson University, adjunct faculty of Montgomery College.

9. Who Done It!

Are you interested in becoming part of a criminal investigative team? Can you follow a trail of evidence that leads to solving an unsolved case? Well, come and see if your scientific and analytical skills can help bring a criminal to justice. Come join in the fun. Allegra Coates-Wallace, B.A., American University, adjunct faculty of Montgomery College.

10. Your Inner Fish.

Learn the anatomy of fish. Both the body and the environment of a fish are more alien than anything on Star Trek. Yet, fish are part of our everyday world. You will dissect and examine a fish. See how a fish breathes underwater; see how the body of a fish is both similar and very different from our own body. Through the fish, you will learn what all vertebrates have in common. Dissecting will be done. Students are strongly urged to wear old clothing or bring an old shirt .NOT FOR THE SQUEMISH!! David Rosen, adjunct faculty of Montgomery College.

Optional Workshop for Parents

“Using Positive Reinforcement to Bring Up Responsible Children”

Course #: SCH219 CRN#: 35722

By now we all have reached the conclusion that telling is not teaching and that every lesson taught is not necessarily learned. The question then is, how does a child learn what is right and what is wrong? How can we, as parents, be assured that the lessons we want our children to learn are learned. Parental reinforcement is a major key to directing the learning behavior in children. Positive reinforcement is a tool parents have used throughout the ages to direct and modify behavior in their children. This parenting workshop will introduce and examine various kinds of reinforcement, and how reinforcement can be used to insure that the lessons taught are the lessons learned. Participants will engage in small- and large-group discussions sharing information about bringing up responsible children.

Dr. Edward Harris, Director of the Harris Institute

GENERAL INFORMATION

COST: Tuition: \$60.00; Fee: \$25.00 = \$85.00. Non-Maryland residents add \$50. Course total to be paid at time of registration. Tax-deductible contributions to the Youth Scholarship Fund may be added to this total.

REGISTRATION PROCEDURES: Complete registration form. Be sure to include student's Montgomery College Identification Number. If you don't have one yet, one will be created when you register. This is a permanent MC ID Number and should be kept in a safe place. Signature of school official is **REQUIRED**. Application forms cannot be processed without applicable signatures. Mail completed registration form directly to: Office of Continuing Education, Montgomery College, **Saturday Discoveries**, 51 Mannakee Street, Rockville, MD 20850. Payment may be made using VISA or MasterCard, or by making a check for \$80.00 payable to Montgomery College. You may choose to **FAX** completed registration form indicating VISA or MasterCard payment to Saturday Discoveries at 240-567-7548. This program fills quickly, so be sure to register as soon as possible. Walk-in registrations must be brought to Campus Center, Room 220, on the Rockville Campus. ***Session assignments will be made in the order that registrations are received.*** Students will receive confirmation of registration. If confirmation is not received at least three days prior to the day of the program, please contact our Customer Services Office at 240-567-5188. Session assignments and locations will be available at check-in the morning of the program. **Please report directly to Globe Hall, High Technology and Science Center (HTSC), Montgomery College Germantown Campus.** A campus directory is located at the main walkway entrance to the campus.

REFUNDS: One hundred percent refund of tuition and fees is granted if a course is administratively canceled or if a student notifies the College of his/her withdrawal of registration in writing by the day prior to the scheduled start of class. Request a refund **IN WRITING** and mail to: Office of Continuing Education, Montgomery College, SATURDAY DISCOVERIES, 51 Mannakee Street, Rockville, MD 20850. There is **NO** refund after the program begins. Criteria include: illness of student or immediate family member (send physician's note); death of student or immediate family member (send copy of death certificate); involuntary entry into active duty in the armed forces (send copy of draft notice); involuntary transfer/change of work hours by the student's employer (send letter from employer). Students must state their name, social security number, course title and CRN number, and reason for withdrawal. A stop payment on checks does not constitute withdrawal from a class. There is a \$25 invalid check fee charged each time a check is returned by a bank. For refund or withdrawal questions call 240-567-7932 or 240-567-5045. Allow up to five weeks for a refund to reach you. The College reserves the right to cancel a course due to insufficient enrollment. The College reserves the right to refuse registration due to insufficient payment.

DISABILITY SUPPORT SERVICES: If student requires aids, services, or barriers removed to fully participate in Montgomery College Continuing Education programs, please register first. Then call 240-567-1819 or TTY 240-567-7931 **three weeks before the class meets to arrange for reasonable accommodations.** For further information, please call 240-567-7917.

LUNCH: Students must bring lunch. Cold drinks will be available for sale at campus vending machines. The cafeteria does **NOT** operate on Saturdays.

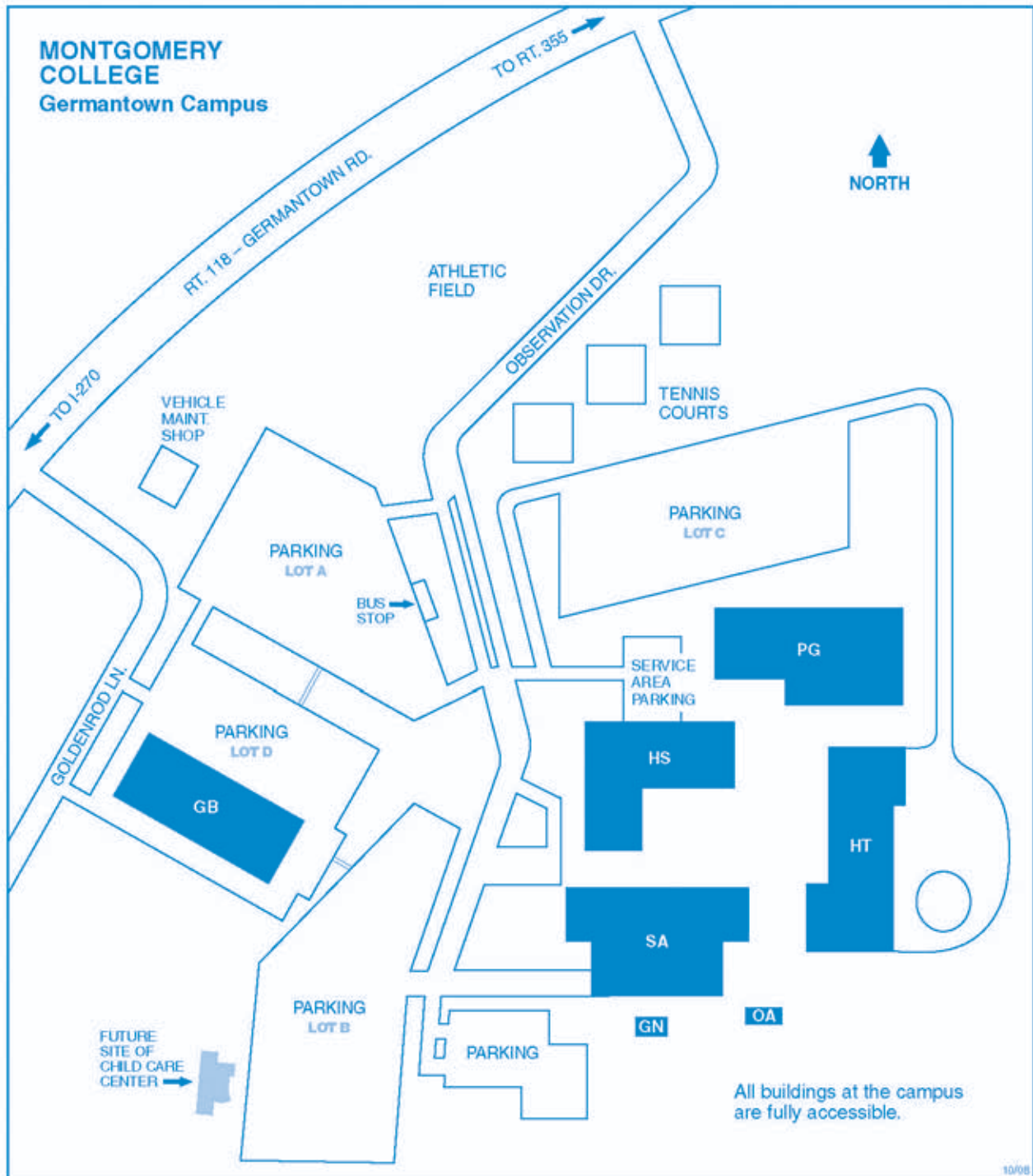
TRANSPORTATION: Students and their parents or guardians are responsible for all transportation arrangements. **Please pick children up promptly at 2:50 p.m.** There are no provisions for supervision of students after the end of the program. **Students not picked up by 3:15 p.m. will be taken to the Security Office located on the second floor of the Science Building.** Ample parking is available. Public transportation is available; please call Montgomery County Transit Information at 301-217-RIDE.

HEALTH SERVICES: Should a medical emergency occur, trained personnel from the Campus Security Office will be available to render aid. The Germantown Security Phone Number is 240-567-7777.

INFORMATION: Please call Ms. Sharon Wolfgang at 240-567-7264 or 240-567-7917.

MONTGOMERY COLLEGE

Germantown Campus Map



Montgomery College Germantown Campus

20200 Observation Drive
Germantown, MD 20876
240-567-7700
TTY 301-540-2133
www.montgomerycollege.edu

Germantown Campus Legend of Buildings

(as of October 2008)

GB Goldenrod Building
GN Greenhouse
HS Humanities and Social Sciences Building

HT High Technology and Science Center
OA Office Annex
PG Physical Education Complex
SA Sciences and Applied Studies Building (Security Office and Admissions and Records)

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What are your kids plans for the summer?
Time to start planning!

Summer Youth Programs

Montgomery College Summer Youth Program
offers over 200 fun-filled classes for Grades K-12.

Don't forget about all the other Youth Programs we have to offer
throughout the school year such as our one-day enrichment
programs and several after school and Saturday mini-courses.

<http://www.montgomerycollege.edu/wdce/youth.html>