



The Growing Early Minds (GEM) classes at the University of Wisconsin - Madison are designed to challenge and engage advanced learners in grades one through four. Students are exposed to advanced concepts that feed their curious minds. Each class is small and designed to enrich learning and introduce new areas of interest. Social and emotional curriculum components focus on fostering autonomy, encouraging development of growth mindset, and effective collaboration skills.



Sign Up For Classes on UW-Madison campus



Attend GEM

Winter Session:

Five-Week Saturday Program
February 2 - March 2, 2019
Program Runs: 9:00 - 11:30 am
Registrations Opens October 22, 2018
App Fee: \$30 Tuition: \$230
*Financial Aid Available

Summer Sessions:

Five-Day Academic Program
Session 1: June 17-21, 2019
Session 2: June 24-28, 2019
Program Runs: 9:00 am - 4:00 pm
Registrations Opens: January 3, 2019
App Fee: \$30 Tuition: \$330
*Financial Aid Available

Grade 1-2

Secret Agents
Create Your Own Superhero

Grade 2-3

Mystery Detectives
Mayor Madness: City Planning
Matter Matters: Exploring Science

Grade 2-4

Inside Out/Upside Down: Psychology
Artful Architecture
The Green Team: Environmental Science
Walk Through History

Grade 3-4

Adventures in Coding
Get Charged: Electrical Engineering

Winter Registration Deadline: January 18, 2019
Summer Registration Deadline: April 30, 2019

Disclaimer: This is not a school-sponsored activity and the Middleton-Cross Plains Area School District does not provide support or endorsement of this program/activity. It has neither reviewed nor approved the program, personnel, or activities announced in this brochure/flyer. Permission to distribute this material must not be considered a recommendation or endorsement by the school district.

More Info At:
wcaty.wisc.edu



WCATY, Wisconsin Center for Academically Talented Youth
Division of Continuing Studies, 21 N Park St., 7th Floor, Madison, WI, 53715
wcaty.wisc.edu, tel. (608)890-3260, wcaty@wisc.edu



Pick A Class

Secret Agents *Grade 1*

Winter Saturday Session: February 2 - March 2, 2019

Summer Session 1: June 17-21, 2019

Summer Session 2: June 24-28, 2019

This multidisciplinary class, specifically designed for first grade students, will take students on a journey from code breaking to fingerprinting to secret agent names and passports. They will use creative and critical thinking to make keen observations, use deductive reasoning skills, and write their own reports based upon evidence. If you geek out about invisible ink, learning about new places, and solving puzzles, this class is for you!

Create Your Own Superhero *Grades 1-2*

Summer Session 1: June 17-21, 2019

Do you love to draw? Do you love to create stories about different characters and places? This class will combine creative writing and drawing technique to bring your stories to life! Literacy concepts: main idea, supporting details and sequencing will be employed to fine tune your ideas into your own graphic novel. Put on your thinking cap and come ready with your most fantastical ideas—we'll supply the rest!

Mystery Detectives *Grades 2-3*

Winter Saturday Session: February 2 - March 2, 2019

Summer Session 1: June 17-21, 2019

Do you love a good mystery? Are you interested in finding out more about how forensic science helps us solve mysteries? If so, this is the class for you! Intro to Forensic Science is an interdisciplinary class that builds upon the skills explored in our very popular Secret Agents class, and takes them to the next level. Students will utilize their powers of observation to investigate scenarios, find clues and collect evidence, all while harnessing their critical thinking and problem solving abilities to reach logical conclusions. Forensic science techniques used in the field will be introduced and students will have a chance to enhance their collaboration skills as they work out a solution as a part of a team.

Matter Matters: Exploring Science *Grades 2-3*

Summer Session 1: June 17-21, 2019

Summer Session 2: June 24-28, 2019

This class will spark your curiosity about the objects in the world around you. Did you know that everything is basically made of the same three ingredients? Do you know about the periodic table? With critical and creative thinking, you will participate in hands-on experiments, make observations, and learn how to communicate your findings like a scientist. If you geek out about the universe around you, love explosions, and find yourself asking "why?" all the time, this class is for you!

Mayor Madness: City Planning *Grades 2-3*

Winter Saturday Session: February 2 - March 2, 2019

This class will ask you to play multiple roles such as an engineer, architect, and designer to create your own city. While taking into account the different needs of your teachers, business owners, families, farmers, and city workers, you will need to create a community that is enjoyable and accessible for all people. Through creative and critical thinking you will have to balance budgets, layouts, and energy needs for your community. If you feel you have what it takes to build your own city, this class is for you!

More info at: wcaty.wisc.edu

Inside Out, Upside Down: Psychology *Grades 2-4*

Winter Saturday Session: February 2 - March 2, 2019

Summer Session 1: June 17-21, 2019

Summer Session 2: June 24-28, 2019

This class will introduce students to the world of psychology using the movie "Inside Out" as a base for exploring emotions, actions, and memories. Students will learn about the foundations of psychology through role play, hands-on activities, and class discussions. As a class, they will be creating a study of their own to further their own interests and observations. If you geek out about dreams, wonder why some of your emotions are so strong, or want to better understand how your brain works, this class is for you!

Artful Architecture *Grades 2-4*

Winter Saturday Session: February 2 - March 2, 2019

Summer Session 2: June 24-28, 2019

This class will combine elements such as drawing and mathematics to help students visualize and create their own dream buildings. Through hands-on and engaging activities, this class will go through the entire planning and designing process: site plan, floor plan, section, and elevation. There will be a focus on the different architecture styles and techniques, including local and regional styles. At the end of the course, the designs will be brought to life for all to see. If you geek out about cool looking buildings in your neighborhood or like looking at tall skyscrapers, this class is for you!

The Green Team: Environmental Science *Grades 2-4*

Summer Session 2: June 24-28, 2019

The "Green Team" will take a multi-disciplinary approach to learning about environmental issues by increasing knowledge and building critical thinking skills that will help our students make informed and responsible decisions in an age appropriate format. Developing an awareness of the environment and an understanding of environmental challenges through discussion and lots of hand-on activities will foster a greater appreciation of the world around us for our students and ourselves.

Walk Through History *Grades 2-4*

Summer Session 1: June 17-21, 2019

Summer Session 2: June 24-28, 2019

Do you love learning about people and places from the past? Our "Walk Through History" class will transport students into a living history museum! Students will choose an historical figure, research them & write a speech as if they really were that person. During Family Visiting Day, students will dress up and stay in character, give their speeches and answer questions. Let your creativity soar by adding as many props and scenery as you'd like!

Get Charged: Electrical Engineering *Grades 3-4*

Winter Saturday Session: February 2 - March 2, 2019

Summer Session 1+2: June 17-28, 2019 Two week commitment

This class will literally spark your curiosity about how the electronics around you work, the different types of circuits, and how you can create your own inventions with electricity. Through critical reasoning and creative problem solving, you will use the Little Bits Kits and other objects to build and test your own ideas to complete simple and complex tasks. If you geek out about building your own inventions, like to make things move, spin, and glow, or you like to take things apart to see how they work, this class is for you!

Adventures in Coding: Exploring Math *Grades 3-4*

Winter Saturday Session: February 2 - March 2, 2019

Summer Session 1+2: June 17-28, 2019 Two week commitment

This class will spark your curiosity about the connections math has with computer coding and programming. Through critical reasoning and creative problem solving, you will learn how to boss around a computer using concepts like scripts, variables, and strings. If you geek out about video games, computers, equations, or even different mathematical languages, this class is for you!

Class availability may be subject to change based on the level of enrollment in a particular class