



Missouri State University-West Plains Kids' College
July 12-14, 2016 • Noon – 5 p.m. each day
Open to 4th through 8th graders

COURSE DESCRIPTIONS

KC01 A Mazing Mind (2 Credits)

Instructor: Wendy Ziegler, Missouri State University-West Plains, Per Course Faculty

Course Description: Dive into mythology and history to appreciate and solve labyrinths and mazes—then create your own! Study famous architectural and landscape mazes and labyrinths, and be inspired to build a real one!

KC02 Art of the Game (2 Credits)

Instructor: Jacob Poulette, Missouri State University-West Plains, Instructor

Course Description: Who comes up with board and card games, and what makes one great? This course will cover many of the basic concepts of creating a game, like the game's mechanics, theme, and design. We'll also talk about the age old question "What is a game?" Get your game on—because we'll be applying these concepts in a hands-on project.

KC03 Can You Build It? (2 Credits)

Instructor: Blake Stephens, Biologist

Course Description: In this challenging session you will learn what it takes to become a structural engineer. We will design, construct, and test our own Popsicle stick bridges. Will yours pass the test?

KC04 Chain of Events (2 Credits)

Instructor: Blake Stephens, Biologist

Course Description: Have you ever played the game of Mouse Trap and wanted to make your own? We'll learn about chain reactions and critical thinking as we create a Rube Goldberg machine that really works!

KC05 Coding from Scratch™ (2 Credits)

Instructor: Jacob Poulette, Missouri State University-West Plains, Instructor

Course Description: Have you ever wanted to create your own computer game? This course will use the Scratch™ programming language to introduce many of the fundamental concepts of computer coding—and how they can be used to make stories, games, and animations.

KC06 Dimensional Acrylic Painting (2 Credits)

Instructor: Alice Vandergriff, Missouri State University-West Plains, Per Course Faculty

Course Description: Create an original acrylic that "pops out" for a three-dimensional look. As a student, you'll learn some pretty cool painting techniques, as well as how to mix colors. You'll also be creating a piece of art that you're sure to be proud of!

KC07 Game On! (2 Credits)

Instructor: Wendy Ziegler, Missouri State University-West Plains, Per Course Faculty

Course Description: What exactly are "cognitive skills," and why do they matter? Come learn how to create your own games and activities so you can entertain yourself—as well as those around you.

KC08 Groundwater Mysteries (2 Credits)

Instructor: Mary Mutrux, Missouri State University-West Plains, Per Course Faculty

Course Description: What's going on with the groundwater below your feet? Build a groundwater model, and solve a mystery about contaminated groundwater, using the nationally renowned Project WET curriculum. You'll also be introduced to Missouri's GeoSTRAT online tool, which lets you learn about the groundwater where you live!

KC09 Kids in the Kitchen (2 Credits)

Instructor: Brandi Sutherland, University of Missouri Extension, Educational Program Associate

Course Description: If you like to cook, enjoy learning about food and want to know how to live a healthy life, this is a class for you. You'll learn how to prepare simple, healthy foods that you can make for yourself or everyone at home.

KC10 Let's Make a Mural (2 Credits)

Instructor: Melissa Stephens, Elementary Teacher, Small Business Owner

Course Description: Have you ever wanted to be a part of something bigger than yourself? Let's learn how to design, measure, and enlarge a piece of art to successfully paint and create a group mural.

COURSE DESCRIPTIONS

KC11 Math with Mr. Trick (2 Credits)

Instructor: Jerry Trick, Missouri State University-West Plains, Assistant Professor of Mathematics

Course Description: We will look at a wide variety of math projects and activities. This will be very hands-on and intended for those students who enjoy using and exploring mathematics.

KC12 Minute to Win It (2 Credits)

Instructor: Laurie Wall, Missouri State University-West Plains, Registrar

Course Description: Based on the popular TV show, you'll learn about critical thinking and ethics as you're tested in a variety of games. After playing the game, you'll be asked to apply the situation to everyday life, including how tense situations can affect your character and reaction to certain situations.

KC13 Pencil Mandala and Symmetry Drawing (2 Credits)

Instructor: Alice Vandergriff, Missouri State University-West Plains, Per Course Faculty

Course Description: Calling all artists! You'll be given a mandala and some colored pencils, then taught about techniques. You'll learn about color schemes, and you'll create a unique symmetry drawing by using a photograph.

KC14 Pupils & Dragons Off The Wall (2 Credits)

Instructor: Dawn King, Glenwood Art Instructor

Course Description: Learn to master basic brush strokes of Asian ink painting and create your own dragon to hang on the wall.

KC15 Ready, Set, Act! (2 Credits)

Instructor: Melissa Stephens, Elementary Teacher, Small Business Owner

Course Description: Experience the magic of theatre! We will learn what goes into a play by writing our own script. After exploring stage directions, movement, and costumes, we will perform the play for other classmates.

KC16 Shape the Future: Let's Vote (2 Credits)

Instructor: Jason McCollum, Missouri State University-West Plains, Assistant Professor of History

Course Description: This exciting, hand-on course provides students the historical background of voting and the role of the Electoral College in the United States political system and engages them in the voting process. We will take students through a typical presidential election season and have them participate in an actual Electoral College voting procedure. We will have a party—a political party!

KC17 Solar System Walk About (2 Credits)

Instructor: Jay Towell, Missouri State University-West Plains, Assistant Professor of Mathematics

Course Description: Come learn about our "little" neighborhood in space – the solar system. Among the things we will investigate are the size of our solar system's objects and the size of the solar system itself using everyday items and our feet.

KC18 Solving Problems Through Public Speaking (2 Credits)

Instructor: Gary Phillips, Missouri State University-West Plains, Associate Professor of Communications

Course Description: Use problem-solving skills to turn a group project into persuasive speech. How do groups solve problems, and how does public speaking fit in? This will also give individual speaking experience.

KC19 Speak for Yourself (2 Credits)

Instructor: Melissa Stephens, Elementary Teacher, Small Business Owner

Course Description: Can you think outside the box? Learn about the four different kinds of speeches and try your hand at creating your own commercial, giving an impromptu speech, or demonstrating a favorite activity.

KC20 Take It To The Hoop (2 Credits)

Instructor: Chad Van Riessen, Missouri State University-West Plains, Interim Head Basketball Coach

Course Description: Learn basic basketball fundamentals for a successful experience on the court. Technique and drills will be demonstrated by the head basketball coach for the MSU-WP Grizzlies. Give it your best shot!

KC21 The Fizz in Physics (2 Credits)

Instructors: Aimee Green/Cindy Smith, Missouri State University-West Plains, Coordinator & Director Allied Health-Respiratory Care

Course Description: What's in the air you breathe? What makes you float on water instead of sinking? How can you go faster down a slide? Explore basic physics and chemistry in our everyday world.

KC22 The Great Debate (2 Credits)

Instructor: Melissa Stephens, Elementary Teacher, Small Business Owner

Course Description: Do you like to express your opinion? In this class you'll learn the basics of becoming a great debater. You'll explore the Lincoln-Douglas and cross-examination types of debating. Come find out if you have what it takes (parents, beware!).

KC23 There are Minerals In That? (2 Credits)

Instructor: Mary Mutrux, Missouri State University-West Plains, Per Course Faculty

Course Description: Come identify common minerals like a geologist. Take part in a "Geo Grab Bag" activity to discover how everyday objects make up many things, and learn about lab measurement tools. We'll be exploring how minerals are mined—and we'll be making toothpaste!

KC24 TV News – The Real Story (2 Credits)

Instructor: Ethan Forhertz, Journalist and KY3 News Anchor

Course Description: Study broadcast journalism with the lead evening anchor for KY3 News; in this hands-on session, the students will work as a news team to create a newscast.

KC25 To Infinity and Beyond: From the Ozarks to Outer Space (2 Credits, capstone course)

Instructor: Astronaut Tom Akers, NASA and Missouri S&T

Course Description: Real-life astronaut Tom Akers will share how he went from being a kid in the Ozarks to barreling through the earth's atmosphere in a rocket headed for outer space. Akers is a veteran of four space flights. In space, he checked up on the International Space Station, captured and fixed a stranded satellite and went for spacewalks. *This class is a "capstone" class required for graduation from Kids' College, so you will find it already printed on the class registration form.*

HOW TO REGISTER

Fill out one registration form per child, including signature.

List a total of 12 credits as your first choice (this includes the mandatory "capstone" class with astronaut Tom Akers), and list a total of 6 credits as your second choice. (Courses do not qualify for college credit.) Every effort will be made to place you in your first choice of classes, but class enrollment is limited, and there can be schedule conflicts with individual classes. So, be sure to turn your application in as quickly as possible!

Program is open to 4th through 8th graders and runs July 12-14, Tuesday through Thursday, noon – 5 p.m.

The cost is \$75 for the 3-day session, and each student will receive a Kids' College T-shirt.

To register by mail, send the completed and signed form along with payment to:

Kids' College
Missouri State University-West Plains
128 Garfield Avenue
West Plains, MO 65775

Walk-in registrations also are accepted at Missouri State University-West Plains University/Community Programs Office located on the second floor of the West Plains Civic Center, (417) 255-7966.

Registration begins: Monday, May 2, 2016

Registration/Payment Deadline: Tuesday, May 31, 2016

Refund Policy: Requests for refunds will be accepted until the May 31 registration deadline. Refund request will not be granted after deadline.

Confirmation: Confirmation will be sent to the student's address the week prior to the first class. Instructions for drop-off and pick-up will be included.

Questions? Call (417) 255-7966.

Missouri State University-West Plains ensures equal educational opportunities are offered to all students regardless of race, color, national origin, gender, disability, sexual orientation, veteran/Vietnam veteran era, age, or religion, and is Section 504/ADA compliant. For additional information or accommodations, call (417) 255-7966.

Class sizes are limited, so please register early. Classes with low enrollment will be cancelled.

REGISTER FORM

Student's name (last): _____

(first): _____

Student's street address: _____

City: _____

State: _____ Zip Code: _____

Student's grade level entering: _____

Birthdate (mo/day/yr): _____

Height: ____ Weight: ____ Hair color: ____ Eye color: ____

Current School: _____

Gender: ____ Male ____ Female

T-shirt (adult sizes only): ____ S ____ M ____ L ____ XL

Allergies and/or Special Needs: _____

Parent's name: ____ Mr. ____ Ms. ____ Mrs.

(last): _____ (first): _____

Parent's home telephone number: () _____

Parent's work telephone number: () _____

Parent's cellular phone number: () _____

Parent's e-mail address: _____

Person other than parent listed above to contact in case of emergency:

Emergency contact's phone number: () _____

For safety purposes, we will only release the student to the person that you designate as the person responsible for picking the student up each day. Inform us immediately if there is a change in that designation. This should include yourself, if warranted.

Name: _____ Ph#: _____

Relationship: _____

Alternate name: _____ Ph#: _____

Relationship: _____

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First Choice Course Listing (List in priority order of your preference)

Course Code	Name of Course	Credit(s)
KC25	To Infinity and Beyond (Capstone)	2
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Credit Amount should total 12: _____

How did you learn about the summer 2016 Kids' College program?

- | | |
|--|--|
| <input type="checkbox"/> Flyer in library | <input type="checkbox"/> Flyer from school |
| <input type="checkbox"/> Recommended by school | <input type="checkbox"/> Newspaper |
| <input type="checkbox"/> Received mailing | <input type="checkbox"/> MSU-WP Web page |
| <input type="checkbox"/> Word of mouth | <input type="checkbox"/> Other _____ |

Second Choice Course Listing (List in priority order of your preference)

Course Code	Name of Course	Credit(s)
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Credit Amount should total 6: _____

Parent's Authorization: I understand that there may be certain risks of physical injury, damage, or loss as a result of participating in one of these classes. In acceptance of my child's registration, I relinquish all claims I may have against Missouri State University-West Plains, the staff, organizers, or teachers as a result of participating in this program. Furthermore, I hereby grant Missouri State University-West Plains Kids' College program permission to videotape or photograph my child for future Kids' College promotions.

Parent signature (required) _____

Amount of check enclosed (payable to Missouri State University; written in blue or black ink ONLY):

\$ _____

Amount charged to credit card: \$ _____

Exp. Date: _____

Card Number: ____ Visa ____ Discover ____ MasterCard

3-digit code on back of credit card: _____

Signature of Cardholder _____

FOR OFFICE USE ONLY:

Date: _____

Time: _____