



Summer Academy PLUS

July 5 - August 5, 2023

Academics PLUS Summer Fun

Overview

The goal of Summer Academy PLUS is to provide students with a structured, supportive environment as they achieve their goals. A student's rising grade level (grade level next fall) determines what courses they are eligible for. Classes will be offered based on enrollment and instructor availability. Course offerings are subject to change.

Grades 6 - 8 (upcoming fall grade level) - Students entering 6th, 7th, or 8th grade in the fall will be in our Middle School Academy (MSA), and will participate in a session that is STEAM based (Science, Technology, Engineering, Art, Mathematics). This session will run from 8:00 AM until 2:00 PM daily, with a lunch break in the middle. In the afternoon, students participate in various summer fun activities around campus and the local area. Classes do not count toward school credit. See next page for more information.

DAY SCHEDULE GR 6-8	
8:00 a.m. - 11:30 a.m.	STEAM
11:30 a.m. - 12:30 p.m.	Lunch
12:30 p.m. - 2:00 p.m.	STEAM

MIDDLE SCHOOL ACADEMY	
Morning AM Session: MSA Summer STEAM	Afternoon PM Session: MSA Summer STEAM and Fun Activities

Grades 9 -12 (upcoming fall grade level)

High school students may repeat a core academic course for a semester recovery credit or take a new course for an elective or academic credit. Students may only sign up for one academic course. The below table shows available courses. See [course descriptions](#) for more information on prerequisites.

Any student repeating a high school level course must provide a transcript or report card indicating completion of the high school course. The below chart shows credit and course options. Some classes fill up quickly, so early registration is encouraged. The Academy reserves the right to cancel or re-schedule a class based on enrollment. The Academy will consider individual circumstances as they arise.

MON, TUES, THURS, & FRIDAY SCHEDULE	
8:00 a.m. - 11:30 a.m.	AM Block 1
11:30 a.m. - 12:30 p.m.	Lunch
12:30 p.m. - 2:00 p.m.	PM Block 2

SATURDAY SCHEDULE	
9:00 a.m. - 12 p.m.	Academic Block

CREDITS PER COURSE	
Each course is worth 0.5 credits	

HIGH SCHOOL ACADEMIC COURSES					
Each course is worth 0.5 credits					
Course	Repeat Credit	New Credit	Course	Repeat Credit	New Credit
Algebra 1	✓		Aviation Ground School		✓
Algebra 2 / Adv. Algebra	✓		Intro to Drones		✓
Geometry	✓		Bagpipes		✓
Biology	✓		Band		✓
Chemistry	✓		Phy Ed - Outdoors		✓
US History	✓		College & Career Planning + ACT Prep		✓
English 9 / 10	✓		Summer Leadership Experience		✓
American Literature	✓		Advanced Composition - Online		✓
ESL and ELL		✓	American Government - Online		✓
Intro to Art & Design	✓	✓	Cyber Security - Online		✓

Credit courses will appear on high school transcript and be calculated into the GPA.

Repeat Credit = Student has already taken course;

New Credit = Student has never taken course

Credit Information

Course credits earned are according to St. John's Northwestern standards. One academic block meets for 4.5 hours/day for 24 days. High School credit courses, new or repeat, receive 0.5 high school credit, or a semester credit, for each academic block. Boarding students engage in a structured study period for 1-2 hours Sunday through Thursday evenings. Parents/Guardians should obtain approval from the student's home school for transfer of credits. Many school districts have local policies which allow them to decide whether to accept credits from other institutions. SJNA is accredited by ISACS, the Independent Schools Association of the Central States. See our [school profile](#) for more information.

Reports

All students receive a report card at the end of the term for any academic course taken. Official credit for a course is issued on the SJNA transcript. To order a transcript be sent to another institution, fill out the [Transcript Request Form](#) on the SJNA website. All financial obligations must be paid before a transcript is sent.

Questions

General questions, contact Enrollment Services at 262-646-7199 or admissions@sjnacademies.org. Academic content questions, contact the Academic Office, 262-646-7216 or academicoffice@sjnacademies.org.

Course Descriptions

Grade levels are upcoming fall level; high school credits appear on the high school transcript.

MIDDLE SCHOOL ACADEMY

SUMMER STEAM - 8:00 AM - 2:00 PM, Daily

No Credit

Over the course of this summer program, middle school students will be immersed in Science, Technology, Engineering, Art, and Mathematics, by exploring various topics which may include (but are not limited to): electricity, research and debate, art, design and CAD drawing, building and programming robots, 3D printing, and field trip experiences!

SUMMER FUN ACTIVITIES

No Credit

The activities portion of this course will take place in the Delafield area and around our beautiful campus. The focus will be on each student's strength of mind, and body, as well as on teamwork and collaboration. Activities may include canoeing, kayaking, swimming, fishing, archery, gym games, pool use, running the obstacle course, and the rappel tower.

HIGH SCHOOL COURSES

ALGEBRA 1 Repeat

0.5 recovery high school Math credit

This first year algebra course includes work with numerical expressions. It also covers axioms, inequalities, absolute values, word problems, functions, graphing, linear equations, systems, exponents, radicals, operations with polynomials, factoring, and an introduction to quadratic equations. Students who have never taken Algebra 1 may audit this course for no credit.

INTRODUCTION TO DRONES

0.5 new high school Technology credit

This introductory course explores the growing field of drones and how they are utilized, with an emphasis on recreational fun, commercial opportunities, and drone piloting and licensing. Drones will be provided in class and students will receive an overview of FAA rules and regulations for safe operation. Students will also learn various drone models and types, how to take pictures and videos, and how to troubleshoot various flight problems and situations. The option to work toward Drone Pilot certification may be available.

ALGEBRA 2, Repeat

0.5 recovery high school Math credit

This intensive course reviews the most important concepts of Algebra 2, or Advanced Algebra. Students will strengthen and solidify their knowledge of concepts such as exponents, polynomials, and factoring, as well as explore rational exponents, function operations, radical equations, exponential and logarithmic functions, rational expressions and equations, graphing and systems of equations, and an introduction to probability and data. There will also be an emphasis on solving real world applications exploring polynomial, rational, and radical relationships.

CYBER SECURITY, online only

0.5 new high school Technology credit

This course is an Introduction to Cybersecurity. The course will explore security as it relates to endpoints, network, network edge, cloud computing, and mobile environments. Students will explore different types of cyber threats, from where they come, how they are constructed and how attacks are met and mitigated. It will also look at cybersecurity from a business and a personal perspective. Data and security issues will be explored, and lastly, the course will explore how regulation and legislation impact this arena.

GEOMETRY, Repeat**0.5 recovery high school Math credit**

The major goals of geometry are to acquaint the student with the structure of geometry as a mathematical system and to develop the student's ability to do abstract logical reasoning. This is a basic course in Euclidean plane geometry with deductive reasoning and proofs. Other topics include properties of lines, triangles, quadrilaterals, similarity, solid geometry, area, volume and surface area of various figures. The basic principles of trigonometry are covered in this course, as well.

AVIATION GROUND SCHOOL**0.5 new high school Technology credit**

The aviation science program is offered through Wisconsin Aviation and thoroughly prepares students to satisfy the mandatory requirement of passing the Federal Aviation Administration (FAA) knowledge exam for private pilot certification. This course is targeted for students seeking to obtain a private pilot license, career in airport management and or a degree in aeronautics. Emphasis on Science Technology Engineering and Mathematics (STEM) careers will be covered. Students will receive Honors credit for this course.

BIOLOGY, Repeat**0.5 recovery high school Science credit**

Summer Biology covers the following topics: experimental design, cell structure and transport, cell respiration and the ADP/ATP cycle, cell cycle, DNA, genetics, microscopy, taxonomy, viruses and bacteria, arthropods, amphibians and reptiles, fish, birds and mammals, plants ecology. Time is spent outside doing field work at the lake, the river and in the forest.

INTRO TO ART and DESIGN**0.5 new high school Fine Art credit**

An introductory course that addresses both 2 and 3 dimensional studio production. The 2-D portion emphasizes observational drawing through studies of still-lives, portraits and figures, while emphasizing the elements of line, value and proportions while the 3-D studio productions will emphasize the principles of balance, harmony, and variety.

CHEMISTRY, Repeat**0.5 recovery high school Science credit**

This is a general survey of basic chemical concepts. Topics include: lab safety, scientific measurement, metric units, the periodic table, atomic structure, ions and ionic charges, states of matter, classification of matter, chemical names and formulas, chemical reactions and balancing, general reaction kinetics and equilibrium concepts, chemistry of water solutions, and acids/bases with simple pH calculations. This course places a value on real-world applications of chemistry wherever possible, allowing students to conduct labs to apply the concepts learned in class and collaborate together using "critical thinking skills" to work on assignments.

BAGPIPES**0.5 new high school Fine Art credit**

This class focuses on the introduction to and establishment of the foundations of bagpiping as an artform. Using the practice chanter, students learn the basic scale of the bagpipes as well as the basic fundamental rudiments that adorn traditional bagpipe music. Basic music theory, music reading, and writing are incorporated to prepare the students for learning the tunes that will build the foundation of the SJNA Pipes & Drums repertoire. Students are slowly introduced to the mechanics and operation of the Great Highland Bagpipe.

US HISTORY, Repeat**0.5 recovery high school Social Studies credit**

This general survey course concentrates on economic, social, political and military American history. The course begins in Colonial America and ends in the 1990's. Special focus will be given to the origins of America including Jamestown and Plymouth and also the Civil War, World War II and the Cold War. Course material is presented through lecture, textbook reading, primary sources, mini-projects and video-based worksheets. Students will be expected to enhance their critical thinking skills.

BAND**0.5 new high school Fine Art credit**

Through the use of lesson material and practice, students learn the fundamentals to play a band instrument. Summer band is for all instrumentalists of all ability levels. The course is designed around enrollment and is a great opportunity to maintain or develop skills in instrumental music. Summer band is fun!

AMERICAN GOVERNMENT, online only**0.5 new or recovery high school Social Studies credit**

American Government is a survey course intended to provide students with the basic understanding of American Government principles and the functions of a Representative Democracy. Checks and balances, the origins of our system of government, and the principles that provide the foundation for our government will be covered. A civics exam will be administered at the end of the course.

OUTDOOR PE ADVENTURES**0.5 new high school Physical Education credit**

A Physical Fitness class that will enhance your understanding of outdoor activities as well as physically challenge you with goals of improving your personal strength and endurance. Your fitness level and knowledge will be tested in a variety of water, land, individual and team sports. Additional goals will be to work on improving heart rate awareness, hand eye coordination, core strength and balance, as well as hone in on your skills in all these areas while enjoying the beautiful surroundings of our campus, Delafield and surrounding areas.

ENGLISH 9/10, Repeat**0.5 recovery high school English credit**

This course is designed to further develop student reading, writing, and oral presentation skills. Emphasis is placed upon basic and intermediate composition using rhetorical writing devices: the narrative, descriptive, persuasive, comparison and contrast, and expository essays. The three primary texts of study will include Greek theater, Shakespeare, and a coming-of-age novel. Students will also be introduced to the formal research paper using the MLA format and will then develop that topic into a 3-4 minute oral presentation in front of the class.

COLLEGE & CAREER PLANNING + ACT Prep**0.5 new high school Elective credit**

This course combines our College & Career Planning and ACT Prep courses and takes students through the college and career planning process. Students will research universities, create their college list, fill out their Common App application, create a resume, write college essays, and take vocational aptitude and personality tests. For ACT Prep, students will work from specially designed testing materials and practice ACTs to learn testing strategies, improve testing stamina, experience simulated testing conditions, and utilize Methodize Test Prep for practice and to monitor growth and content knowledge improvement.

ENGLISH 11/AMERICAN LITERATURE, Repeat**0.5 recovery high school English credit**

This is a survey course of American literature. The course will provide students with an opportunity to understand American literature and its evolution, with a focus on how various military conflicts (both domestic and international) have influenced the culture of the country. Students will practice writing formal, analytical essays pertaining to the literature discussed in class. Topics covered are: The American Civil War, WWI, WWII, and Vietnam with an emphasis on exploring the personal, social, and cultural impacts of these conflicts on American society. Additional attention will be paid to the writing process as it pertains to a formal research paper.

ADVANCED COMPOSITION, *online only***0.5 new high school English credit**

This course provides an analytical overview of grammar, punctuation, and sentence structure to help students improve writing skills, including writing efficiently and effectively for both college and work-related writing skills. Students explore word origins and various parts of speech to aid in analytical reading and writing, review the basics of the writing process (including prewriting, outline, rough draft, peer evaluation, revision, and publication), and explore a variety of essay formats, to include research. Students build a writing portfolio which includes essays, professional communication, and other completed assignments as evidence of writing proficiency.

ELL - ENGLISH LANGUAGE AND CULTURAL EXPERIENCE**0.5 new high school ESL/Elective credit**

This course is for new international students to study the English language through fun, engaging language activities. Students will enhance their reading, writing, listening and speaking skills through different experiences both in class and around our campus, such as trips to town, journaling, research, presentations, speeches, music, cooking, sports, book club, and local field trips, just to name a few possibilities!! Students will enjoy experiencing the English language in many ways!

SUMMER LEADERSHIP EXPERIENCE**0.5 new elective high school Leadership/Elective credit**

This course will introduce various styles and principles of leadership, both military and non-military. It is a class designed to increase self-awareness, overcome personal obstacles and build confidence and self-esteem by taking a unique hands-on team approach to the subject of leadership through team building and team participation. Activities around campus may include, but are not limited to, Rope Bridging, Raft Building, Fitness Assessments, Obstacle Course Competition, or Marksmanship, just to name a few.

[Academic School Year Curriculum Guide](#)

***We offer much more than just a Summer Academy - attend St. John's Northwestern for the full academic year!
View our full course offerings and graduation pathway in the link above.***