
Own your Voyage

2017 SUMMER SEMESTER COURSES



Expect
Excellence
School District of New Berlin



2017 SUMMER SEMESTER INFORMATION

REGISTRATION DATES: February 20 – March 17

REGISTRATION INFORMATION: Register through Infinite Campus. Parents will need to select the Summer Semester calendar from the calendar drop down, and then click on the Online Registration icon. Students must register at their current grade level. Current grade level is student's grade as of February 2017

DATES OF SUMMER SEMESTER: Courses meet Monday, June 19 to Thursday, July 20 unless otherwise indicated. (No class on Monday July 3 and Tuesday July 4, 2017).

SCHEDULE: Summer Semester has two periods. Students register for the course only; they are unable to request a period. Periods the course will run in are determined by the Summer Semester Office.

- Period 1 – 7:30 – 10:00
- Period 2 – 10:15 – 12:45

LOCATION & TRANSPORTATION: Classes are held at Eisenhower Middle and High School. Students are responsible for their own transportation to Summer Semester classes.

FEES: Fees are listed next to each course. Most courses and all credit earning courses have NO fees.

CONFIRMATIONS/SCHEDULES: Summer Semester schedules will be **emailed** by May 1 2017. Schedules will be viewable in Infinite Campus as of April 1, 2017.

CANCELED COURSES: The Summer School Program will notify those enrolled in canceled courses, if applicable. The target time for this notification is May 1, 2017.

NON-DISTRICT STUDENTS: New Berlin Summer Semester is an opportunity for students who attend one of the School District of New Berlin's schools and also for students who reside within the district's boundaries. Students who reside within the School District of New Berlin boundaries but do not attend a district school will need to complete a paper registration form. Please email Michele.Hitt@nbexcellence.org to request a paper registration form.

GRADES FOR CREDIT EARNING COURSES: All classes taken will appear on the student's transcript as summer semester courses. The student will receive a grade in the course consistent with the grading policies of the School District of New Berlin. Courses and grades will calculate into a student's cumulative grade point average. Parent/Guardians are encouraged to contact their student's instructors via email

if there are questions related to grades/grading for that course. Students taking a course for grade replacement should be aware that the most recent grade will appear on their transcript.

ATTENDANCE POLICY:

- Students who exceed the absence limit (2) for a .5 credit or (5) for a 1.0 credit or Math 8 class will not receive credit and will be removed from the class.
- For Face to Face with Online Components courses, students must attend the face to face meetings. Missed face to face classes will be counted as absence.
- Three tardies to a class will be counted as an absence. Any single tardy beyond 20 minutes will be counted as an absence.

DROPPING A CREDIT EARNING COURSE: Credit earning courses may be dropped by contacting Michele Hitt at the District Office at 262.789.6242

SUMMER SEMESTER OFFICE: Prior to June 19, all inquiries should be made to Michele Hitt at 262.789.6242 or Michele.Hitt@nbexcellence.org. After June 19, students and parents should contact the Main Office, Eisenhower Middle/High School at 262.789.6300.

GRADES 7 – 8 MATH & READING SKILL BUILDING

SCHOOL DISTRICT OF NEW BERLIN STUDENTS ONLY – NON CREDIT

These skill building courses are designed to help students further develop skills that are needed for success in the next grade level. While enrolled, students will have access to Compass Learning, which is an adaptive online program that provides learning experiences at a student's level of performance. Students will also have small and large group instruction from a certified teacher. The small and large group instruction is designed to reinforce and develop skills that are key to success in the next grade level.

MATH

BUILDING MATH SKILLS

GRADE 7

03120-SS

DATES:

June 19 – July 20

Online Course with Face to Face Components

This course meets Monday & Wednesday

This course is designed to support students who are experiencing some struggle and need additional instruction and support in grade 7 math content.

REQUIRED MATERIALS: Headphones

BUILDING MATH SKILLS

GRADE 8

03120-SS

DATES:

June 19 – July 20

Online Course with Face to Face Components

This course meets Monday & Wednesday

This course is designed to support students who are experiencing some struggle and need additional instruction and support in grade 8 math content.

REQUIRED MATERIALS: Headphones

GRADES 7 – 8 MATH & READING SKILL BUILDING

SCHOOL DISTRICT OF NEW BERLIN STUDENTS ONLY – NON CREDIT

READING & WRITING

BUILDING ENGLISH LANGUAGE ARTS SKILLS GRADE 7 01120-SS

DATES: *June 19 – July 20*

Online Course with Face to Face Components

This course meets Monday & Wednesday

This course is designed to support students who are experiencing some struggle and need additional instruction and support in grade 7 English Language Arts content.

REQUIRED MATERIALS: Headphones

BUILDING ENGLISH LANGUAGE ARTS SKILLS GRADE 8 01120-SS

DATES: *June 19 – July 20*

Online Course with Face to Face Components

This course meets Monday & Wednesday

This course is designed to support students who are experiencing some struggle and need additional instruction and support in grade 8 English Language Arts content.

REQUIRED MATERIALS: Headphones

BREAK THE CODE: A WORKSHOP FOR WRITERS GRADE 9-12 01546-SS

DATES: *June 19 – July 20*

Online Course with Face to Face Components

This course meets Monday & Wednesday

This summer learning opportunity is designed for students who would like to improve their writing skills to make grade level writing assignments easier. This course will be tailored to individual student strengths and weaknesses; students will work on identified skills with the goal of moving to grade level writing proficiency.

INVESTIGATIONS IN ACT/AP WRITING: A WRITING PREP COURSE

GRADE 9-12 01549-SS

DATES: *June 19 – July 20*

Online Course with Face to Face Components

This course meets Monday & Wednesday

This course is designed for students with strong grade-level writing skills who would like to become more comfortable with the on-demand writing process, specifically targeting ACT and AP writing prompts.

COURSES FOR CREDIT - .5 CREDIT COURSES

PERSONAL FINANCE 07115-SS

DATES: June 19 – July 20

This course meets face to face Monday - Thursday

First Time Credit and Credit Replacement

CREDIT: .5 credit

GRADE: Incoming 11, 12

The successful Economics student will examine economic principles including supply and demand, business organization, types of economics in the world, trade, money, and how to measure the economy. This course will use a variety of instructional methods to prepare students for participation in the economy as decision makers and consumers. Students will participate in the State Stock Market Game to obtain an understanding of choosing stocks and following the market.

GOVERNMENT 02221-SS

DATES: June 19 – July 20

Face to Face with Online Components

This course meets Monday & Wednesday

First Time Credit and Credit Replacement

CREDIT: .5 credit

GRADE: Incoming 11, 12

Students will gain a working knowledge of the structure and function of local, state and federal government. Students will investigate the basic principles of our government, the rights, freedoms, and responsibilities of U.S. citizens, the adaptability of our democratic system to our changing world and society, the role of public opinion and special interests in policy-making, the nature of political parties, and basic election procedures.

HEALTH 05600-SS

DATES: June 19 – July 20

Face to Face with Online Components

This course meets Monday & Wednesday

First Time Credit and Credit Replacement

CREDIT: .5 credit

GRADE: Incoming 8, 9, 10, 11, 12

This course is open to students who have completed grade 7 and have not taken the required District Health course. Taking this course in the summer will allow the 8th grade student a study hall opposite his/her physical education course.

The online/blended format Health course is designed to provide students with information so they will be able to make their own healthy choices. The course includes, but it not limited to, examining the following topics: stress management, mental and emotional health, physical fitness and nutrition, disease prevention, school and environmental health, alcohol and other drugs, body systems, human sexuality, CPR, and violence prevention. This course will be offered through Moodle (a digital learning management system) and will require students to access the curriculum and assessments online.

Students who transfer to the School District of New Berlin from a private school will need to provide documentation from their school that a previous health course has met state statute for CPR instruction. This documentation and course approval is subject

to the approval and acceptance of the curriculum by the school administration.

PERSONAL & LIFETIME FITNESS 05400

DATES: June 19 – July 20

Face-to-face with Online Components

This course meets Monday and Wednesday

First Time Credit and Credit Replacement

CREDIT: .5 credit

GRADE: Incoming 9, 10, 11, 12

The successful student of Personal & Lifetime Fitness will be offered a choice in selection of the Physical Education curriculum. The objective would be to meet the needs and interest of students desiring a course with a strong emphasis on personal fitness. This will also help the students learn and promote lifetime fitness skills, which would enable them to live a healthier lifestyle. This course will be offered through Moodle (a digital learning management system) and will require students to access the curriculum and assessments online. Students are required to meet one on one with the teacher during the last week of the course to complete individual assessments. Each student will schedule this end of course meeting with the teacher during the first or second week of the course.

BFS: BETTER, FASTER, STRONGER 05501

DATES: June 19 – July 20

This course meets face to face Monday - Thursday

First Time Credit and Credit Replacement

CREDIT: .5 credit

GRADE: Incoming 9, 10, 11, 12

The purpose of the Athletic Development / B.F.S. course will be to give a student an opportunity to reach his/her maximum potential as a student athlete. Students will follow the Better...Faster...Stronger Program, which lends itself to a cross-training strategy to include weight training and speed development directed to improve the participants both physically and mentally. The weight training part of the course will teach students the technique of four core lifts including the Bench Press, Squat, Clean, and Dead Lift. The core lifts will be supplemented by auxiliary lifts, fitness, and speed drills, which can be varied according to the needs of the student. Students will work on speed development where agility and low stress plyometrics will be used to develop the quickness. Safety and proper techniques will be taught along with stretching and flexibility exercises. BFS can be taken for .5 PE credit toward graduation.

COURSES FOR CREDIT - .5 CREDIT COURSES

ADVANCED BFS

05502

DATES:

June 19 - July 20

This course meets face to face Monday - Thursday

First Time Credit and Credit Replacement

(Students Must Have Completed BFS I prior to taking this course)

CREDIT:

.5 credit

GRADE:

Incoming 10, 11, 12

Advanced BFS will give a student an opportunity to reach his/her maximum potential as a student athlete. Students will follow the Better...Faster...Stronger Program, which lends itself to a Cross-training strategy to include weight training and speed development directed to improve the participants both physically and mentally. Students will continue to work on speed development where agility and low stress plyometrics will be used to develop the quickness. Safety and proper techniques will be taught along with stretching and flexibility exercises. Advanced BFS can be repeated throughout high school career for elective credit.

EMPLOYABILITY

07134-SS

DATES:

June 19 - July 20

Online Course

CREDIT:

.5 credit

GRADE:

Incoming 10, 11, 12

This course provides the opportunity to explore different career paths. Students will be provided the opportunity to develop skills needed to seek, obtain, and maintain employment. Topics will include a personal skill assessment, resume development, a job search, and the interview process. Documents will be prepared that will help a student in their job search, including a functional resume. This course can be taken prior to or concurrently with Co-Op, Internship, or Youth Apprenticeship work placements.

CERTIFIED NURSING ASSISTANT (CNA) WCTC

DATES:

June 19 - July 20

This course meets face to face Monday - Thursday

First Time Credit

Class meets at Eisenhower

CREDIT:

.75 credit

PREREQUISITE: *Biology, Students must be 16 years of age at the beginning of the course.*

GRADE:

Incoming 10, 11, 12

In this 120 hour Nursing Assistant program, students gain proficiency in fundamental nursing skills through demonstrations, classroom discussions, and hands on activities in a specialized nursing lab. Students learn basic nursing skills required for care of individuals in hospitals, long-term care facilities and home health care situations. Once these skills are mastered, students will practice with patients in a nursing home or hospital setting under the supervision of an instructor. This course is taught by WCTC instructors, and meets at New Berlin Eisenhower.

Upon successful completion of the Nursing Assistant program, graduates will be eligible to take the state exam, which allows the student to be placed on the Nursing Assistant Registry in the state of Wisconsin. Completion of the Nursing Assistant Technical Diploma provides practice and insight into other nursing and healthcare professions.

MATERIALS/RESOURCES:

- Essentials of Nursing Assistant (Mosby's 5th Edition) text-book study guide and DVD (we will provide).
- Lab and clinical days – You will be expected to participate with fellow students in skill practice and check off. Cobalt blue scrub top and pants and white shoes are the basic uniform for both skills days and clinical. You must purchase the scrubs at the WCTC bookstore. You must purchase a gait belt for lab days/clinical days.
- A watch with a second hand and a flexible watchband is also required for class and clinical as is white tennis shoes.

Questions about the CNA course should be directed to Herman Restrepo at Herman.restrepo@nbexcellence.org

COURSES FOR CREDIT - 1 CREDIT COURSES

MATH

MATH 8

03485-SS

DATES: June 19 – August 9

Online Course with Face to Face Component

This course meets Monday and Wednesday

This course does not count toward high school mathematics credit

PREREQUISITE: *Grade of B or above in each semester of Math 7.*

In this course, students will explore all standards of the 8th grade mathematics within the Wisconsin Standards. The course develops an understanding of operations with real numbers, and allows further exploration of proportional relationships. Formulating, modeling, and reasoning about expressions and equations leads into an introduction of functions used to describe relationships. In this course, students will work with and analyze two and three dimensional shapes to find area, volume, surface area, distance, similarity, and congruence. Studying samples to draw inferences about populations is a component of this course.

ALGEBRA I

03236-SS

DATES: June 19 – August 9

Online Course with Face to Face Component

This Course meets Face to Face Monday & Wednesday

CREDIT: 1 credit

PREREQUISITE: *Students must have earned a grade of B or above in both semesters of Math 8 since this is a fast-paced summer, independent course.*

Algebra aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations and inequalities and systems; extending these skills to solving quadratic and exponential functions; exploring functions, including sequences graphically, numerically, symbolically and verbally; and using regression techniques to analyze the fit of models to distributions of data.

Please note that the GPA from this summer experience will count towards the high school if the student is entering in 9th grade, or currently enrolled in 9-11th grade. Students will be expected to do daily homework and activities online in addition to the Monday and Wednesday course meeting dates.

SUPPLIES: Graphing calculator (TI-83, TI-83plus, TI-84, TI-84plus, or TI-84plus C), graph paper, loose leaf paper, ruler.

GEOMETRY

03242-SS

DATES: June 19 – August 9

Online Course with Face to Face Component

This Course meets Face to Face Monday & Wednesday

CREDIT: 1 credit

PREREQUISITE: *Students must have earned a grade of B or above in both semesters of Algebra 1 since this is a fast-paced summer, independent course.*

Geometry aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concepts of formal proof, exploring the properties of two and three dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and using the language of set theory to compute and interpret probabilities for compound events.

Please note that the GPA from this summer experience will count towards the high school G.P.A. if the student is entering in 9th grade, or currently enrolled in 9-11th grade. Students will be expected to do daily homework and activities online in addition to the Monday and Wednesday course meeting dates.

SUPPLIES: Graphing calculator (TI-83, TI-83plus, TI-84, TI-84plus, or TI-84plus C), ruler, protractor, compass, graph paper, tracing paper, scissors, colored pencils/pens, 3 x 5 notecards.

ALGEBRA II

03248-SS

DATES: June 19 – August 9

Online Course with Face to Face Component

This Course meets Face to Face Monday & Wednesday

CREDIT: 1 credit

PREREQUISITE: *Students must have earned a grade of B or above in both semesters of Geometry since this is a fast-paced summer, independent course.*

Algebra 2 extends what students have learned in previous courses and push them to apply that learning by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeroes of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

On a daily basis, students in Algebra 2 will use problem solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Students learn in collaboration with others, sharing information, expertise, and ideas.

Please note that the GPA from this summer experience will count

COURSES FOR CREDIT - 1 CREDIT COURSES

towards the high school G.P.A. if the student is entering in 9th grade, or currently enrolled in 9-11th grade. Students will be expected to do daily homework and activities online in addition to the Monday and Wednesday course meeting dates.

SUPPLIES: Graphing calculator (TI-83, TI-83plus, TI-84, TI-84plus, or TI-84plus C), binder with tabs, graph paper, pencils, colored pencils, markers, ruler, scissors, red pen.

PRE-CALCULUS 03254-SS

DATES: *June 19 – August 9*

Online Course with Face to Face Component

This Course meets Face to Face Monday, Tuesday & Wednesday

CREDIT: *1 credit*

PREREQUISITE: *Students must have earned a grade of B or above in both semesters of Algebra 2 since this is a fast-paced summer, independent course.*

Pre-Calculus emphasizes several big ideas that form a foundation for calculus and other college mathematics curricula that include transformations of functions; periodic functions and their graphs; area under a curve as a foundation for integration; inverses, exponentials, and logarithmic equations and applications; limits to infinity and at a point; properties of functions including continuity increasing vs. decreasing, and concavity; average rates of change and instantaneous rates of change as a foundation for derivatives; other graphical systems including polar and parametric; applications of vectors and trigonometric functions; algebraic fluency and simplification techniques; and modeling using a variety of functions.

This course is structured around investigations and problem solving. Students will explore concepts and develop mathematical relationships through observation, application, and both formal and informal proof. Please note that the GPA from this summer experience will count towards the high school G.P.A. if the student is entering in 9th grade, or currently enrolled in 9-11th grade. Students will be expected to do daily homework and activities online in addition to the Monday and Wednesday course meeting dates.

SUPPLIES: Graphing calculator (TI-83, TI-83plus, TI-84, TI-84plus, or TI-84plus C), binder with tabs, graph paper, pencils, colored pencils, markers, ruler, scissors, red pen.

CREDIT RECOVERY COURSES

DATES: June 19 – July 20

Credit recovery courses meet Monday - Thursday with the opportunity for students to have required attendance fewer days per week based on their performance in the class. Once a student has completed the content required to recover the course credit, he/she is exited from the class. Credit recovery classes allow students to earn credit. A P (Pass) will be reflected on the student's transcript.

MATH

Algebra 1 Semester 1
Algebra 1 Semester 2
Geometry Semester 1
Geometry Semester 2
Algebra 2 Semester 1
Algebra 2 Semester 2

ENGLISH

English 9 Semester 1
English 9 Semester 2
English 10 Semester 1
English 10 Semester 2
English 11 Semester 1
English 11 Semester 2
English 12 Semester 1
English 12 Semester 2

Social Studies

World Studies Semester 1
World Studies Semester 2
20th Century Semester 1
20th Century Semester 2

Registration for these courses are handled by the Student Services Department in each High School. Students needing information on registering for a credit recovery course should see their Counselor. Students will need headphones for these courses.

CAMPS

MIDDLE SCHOOL PREP CAMP (GRADE 7)

DATE: August 8, 2017

PLACE: West

TIME: 7:30 am – 3:00 pm (Lunch will be provided to students)

DATE: August 7, 2017

PLACE: Eisenhower

TIME: 7:30 am – 3:00 pm (Lunch will be provided to students)

This course is designed for incoming grade 7 students. Student need to register for the campus they will be attending in September 2017. Students will experience:

- Various student orientation activities
- Confirming student course schedules
- Lockers, photos/student IDs, etc.
- Culture building activities
- Information on athletic & activity offerings

Registration opens February 20, 2017. To register, please click on the Google Doc link and follow the instructions:

Link for

EISENHOWER: <https://goo.gl/forms/glgpWQ7NgOAevzTu1>

Link for

WEST: <https://goo.gl/forms/069BWRGx1wa9pdiS2>

SDNB STEM Camp

Dates: July 24-28, 2017

Location: New Berlin Eisenhower

Registration dates: April 3– May 5, 2017

- Parents can register online through Infinite Campus or by paper form.
- Paper forms should be submitted to:
Orchard Lane Elementary School
% Larry Lueck,
2015 S. Sunnyslope Road,
New Berlin WI 53151

Description: STEM Camp is a week-long enrichment option offered by the School District of New Berlin. The sessions are designed to give students an opportunity to explore STEM related content (Science, Technology, Engineering and Mathematics). Students who will be entering grades 5-12 next school year can participate in STEM Camp. Students who sign up for a weeklong session will be able to connect learning experiences during the camp to middle school and high school level coursework in various programs of study.

This year, sessions will be offered as half day options. This will allow for students to sign up for one or two of the weeklong sessions. Each session may be offered in the AM (9:00 - 11:30) or the PM (12:00 - 2:30) depending on overall enrollment. Student schedules will be confirmed and communicated to families by June 1, 2017.

On the last day, students will be showcasing their projects from the week. Parents are invited to come in from 10:30 - 11:30 for Session 1 and from 1:30 - 2:30 for Session 2.

Hours: 9:00-2:30 (Students should bring lunch if they are staying for both Session 1 and Session 2)

- Session 1 - 9:00 - 11:30
- Session 2 - 12:00 - 2:30

Fees: \$50.00 per session (Full day - 2 sessions = \$100.00)

- Fees will be assigned to families when schedules are made available (by June 1, 2017)
- Some courses have an additional \$20.00 free
 - 3D Modeling and Printing
 - CSI
 - Chemistry Fun
 - Design Challenge
 - Exploring Aerospace and Aeronautics

3D Modeling and Printing Grade Incoming 9, 10, 11, 12

Additional Fee \$20

Limited to 20 students

This course is designed for students to work hands on with Inventor software to design a model of a 3D item. By the end of the course, students will have created their 3D model via the MakerBot 2X Replicators.

Advanced Video Creation Using Adobe Premiere

Grade: Incoming 9, 10, 11, 12

Limited to 20 Students

Ready to learn the basics of filming and editing? Shoot with pro-level cameras and see how much fun creative editing can be with the drag-and-drop power of Adobe® Premiere®. Take home a DVD of your final project to show your family and friends.

App Builder

Grade Incoming 7, 8, 9, 10, 11, 12

Limited to 20 students

Even with no prior experience, you can learn to build apps within hours. We will start with the basics then lead you through the development of successively more complex apps, teaching programming concepts as you go.

Beginner Movie Creation

Grade Incoming 5, 6, 7

Limited to 20 students

For children ages 10 to 14. In this course, students will use photo and Movie Maker software and write original scripts, capture and manipulate photos, film video segments, and put them together to create their own films.

Chemistry Fun

Grade Incoming 7, 8, 9, 10, 11, 12

Additional Fee \$20

Limited to 20 students

Chemistry is the investigation of substances and how they interact, combine, and change. If you like to experiment, this course is for you! Students learn safety and other lab techniques and then put these skills to work in various lab experiments throughout the week. This course is hands-on and exciting!

CSI

Grade: Incoming 7, 8, 9, 10, 11, 12

Additional Fee \$20 fee

Limited to 15 Students

In this course, students will learn what it takes to be a real crime scene investigator by conducting research, finding clues and gathering evidence, and making conclusions about a simulated crime.

Design Challenge

Grade Incoming 7, 8, 9, 10, 11, 12

Additional Fee \$20

Limited to 20 students

Do you like to build, invent, tinker and/or learn new skills and expand your mind? We will focus on completing daily design challenges. Use your creative thinking to construct solutions from everyday objects to complete each mission.

Digital Designing

Grade Incoming 7, 8, 9, 10, 11, 12

Limited to 20 students

Have you ever considered what it would look like to design things using programs like Adobe Photoshop, Fireworks, Illustrator, or Flash? In this class, use these powerful tools to design logos, animations, graphics, and pictures to make interesting designs.

Digital Music Composition

Grade Incoming 7, 8, 9, 10, 11, 12

Limited to 20 students

Use digital programs to channel your creative side by composing and arranging your own masterpiece. Applications allow you to try several instruments and styles and score and mix your own music.

ER Camp

Grade Incoming 7, 8, 9, 10, 11, 12

Limited to 20 students

Students are introduced to basic first aid and response to emergency situations, the types of trauma, and their outcomes. Students learn how to take vitals and locate evidence of trauma all while practicing team problem solving in various scenarios.

Exploring Aerospace and Aeronautics

Grade Incoming 7, 8, 9, 10, 11, 12

Additional Fee \$20

Limited to 20 students

In this course, students will work with teachers to study the design and characteristics of aircraft and rockets. Through a series of investigations designing gliders, rubber band powered airplanes, and sport rockets students will learn about lift and thrust, stable flight, and flight controls. During the week students will also investigate the fields of aerodynamics and aerospace engineering.

Game Coding

Grade Incoming 7, 8, 9, 10, 11, 12

Limited to 20 students

In this course, students will learn to use game coding software to create and play their own computer games. No programming experience is required, yet students will create many different kinds of games as well as learn more about the features that make games fun, playable, and challenging.

IT Hardware

Grade Incoming 5, 6, 7, 8

Limited to 20 students

Explore the components of various computer hardware as you tear apart and rebuild desktops, laptops, and tablet computers.

Lego Robotics

Grade Incoming 5, 6, 7

Limited to 20 students

For children ages 10 to 14. This session will inspire imaginations and challenge minds. The course uses LEGOs as a fun tool to explore robotics, mechanical systems, electronics and programming. Students will work in teams of four with the same robots used in the First LEGO League competition.

Robotics

Grade Incoming 7, 8, 9, 10, 11, 12

Limited to 20 students

In this course, students will be exposed to the principles of automation and robotics and explore how these techniques affect current society. Specific use of district robotics kits and programming software will be utilized.

Virtual Reality using Aurasma

Grade Incoming 5, 6, 7

Limited to 20 Students

For children ages 10 to 14. Interact with the real world through augmented reality. This app allows students to create an augmented reality that comes to life. Students will create their own auras, videos, and interactive stories with waypoints and hidden clues to travel through a virtual adventure.

Webpage Design

Grade Incoming 7, 8, 9, 10, 11, 12

Limited to 25 Students

If you enjoy using online tools and designing your own space - this is the course for you. Students are exposed to a variety of web 2.0 tools to develop a webpage or digital scrapbook.