To: Dr. Mike Riggle
Board of Education

From: Mr. Josh Koo
Dr. Mike Tarjan

Date: Monday, October 22, 2018

Re: Summer School 2018 Report

Recommendation

It is recommended that the summer school report be presented for Board discussion on Monday, October 22, 2018. No action is necessary.

Background

Each year Glenbrook High School District 225 offers a summer school program for students seeking to earn additional credits, successfully complete courses previously taken, and participate in enrichment courses. Enrollment in summer school is optional, tuition-based, and requires parents to complete a registration process.

This past summer, the program was held at Glenbrook North High School with the following schedule:

	Course	Hours	Start Date	End Date	Exam Date
Semester 1	Math / Science / Social Studies	8:00 AM - 1:35 PM	6/12/2018	6/29/2018	6/29/2018
	All Others*	8:00 AM - 12:40 PM			
Semester 2	Math / Science / Social Studies	8:00 AM - 1:35 PM	7/05/2018	7/24/2018	7/24/2018
	All Others*	8:00 AM - 12:40 PM			

* Students enrolled in Driver Education will discuss their schedule during the first class meeting; students enrolled in special education follow a modified schedule (see summer school catalog for more details)

A comprehensive course catalog was made available to parents in February, and the registration process was conducted between Tuesday, March 13, 2018 and the end of May 2018. Access to the registration process is based on a student's class (e.g. Class of 2019, 2020, 2021, 2022), with a priority given to Glenbrook residents/taxpayers. Non-residents are able to enroll in open courses approximately 45 days after the registration process has been open for residents.

The summer school program is intended to be financially self-sufficient. Course fees are determined by dividing the total cost of the course (e.g. teacher salary, support staff, course supplies, other ancillary expenses) by a projected enrollment of 17. For the 2018 summer school year, course fees ranged from

$160.00 - $500.00 per semester. Tuition is required to be paid in full, prior to the start of the first day of the summer school session. As part of the school district's student financial assistance program, the Board of Education covers the cost of course fees for students classified as free.

The following is a reconciliation of the revenue and expenditures for the 2018 program:

Revenue	
Tuition	$334,065
Financial Aid Contribution	$34,440
	$368,505

Expenditures	
Salaries and Benefits	$355,558
Purchased Services	$29,134
Supplies / Materials	$7.276
Non-Capitalized Equipment	$897
	$392,865
Difference	$24,360

Below is a summary of enrollment, staffing, and courses for both semesters:

	Enrollment			**Teaching Staff**					**Courses***	
	GBN	**GBS**	**OOD**	**GBN**	**GBS**	**GBO**	**GBE**	**OOD**	**Avail.**	**Actual**
Semester 1	273	461	14	12	16	1	1	6	38	31
Semester 2	191	378	15	6	12	1	1	9	31	27
	464	**839**	**29**	**18**	**28**	**2**	**2**	**15**	**69**	**58**

* Does not include service learning (e.g. Habitat for Humanity service learning project) or courses offered in partnership with Oakton Community College.

Since the completion of summer school, school and district leadership teams have started conversations to find more efficient and resourceful ways to administer the summer school program. These topics stem from areas of growth that have been identified in recent years, including:

- **Calendar**
  - Glenbrook currently offers a (14) day semesters, meeting each day of the week. Surrounding school districts offer a blend of (4) and (5) days per week, with longer school days. We are evaluating options for the summer school calendar and seeking feedback from students and staff.
  - Glenbrook has historically required (15) additional hours of instruction for certain courses (social studies, math and science) totaling 75 hours as compared to 60 hours for all other

courses. The curriculum and instruction teams are currently evaluating whether this distinction is still appropriate for the courses offered.
    - The objective remains to create a summer school schedule that is reasonable in the number of hours/days and yet provides students and staff adequate transition time between the end of the regular school year and the start of the summer session.

- **Hiring Practices**
    - To ensure consistency in the delivery of the district's curriculum, our goal is to recruit existing Glenbrook teaching staff for summer school. There is a need to enhance interest among current staff in order to reduce the number of out of district teachers utilized for summer school.
    - When out of district teachers are utilized, the onboarding procedures should be enhanced. At times, it has been a challenge for outside teachers to adequately understand and implement the Glenbrook educational standards and expectations in a three-week semester.
    - Currently, summer school recruitment for hiring occurs during the 4th quarter. One area of review will be to consider advertising summer school positions earlier.

- **Courses**
    - Due to the wide range of student academic abilities, there is a need to revisit differentiation as an instructional practice.
    - Enhanced opportunities for incoming freshmen in elective or enrichment courses should be considered.
    - As teachers may come from a variety of professional backgrounds, there is a need to maintain consistency in rigor, expectations, and content taught in different sections of the same course.

- **Student Educational Support**
    - The growing number of students with educational accommodations may require additional personnel and coordination to meet the needs of the students (e.g. extended time needs, reading accommodations).

Glenbrook High School District 225
Summer School 2018

Applied Arts

Computer-Aided Design
This course will introduce students to the world of computer aided design. Students will build critical skills relating to the methods and standards of architects, engineers, and designers. Students will discover the capabilities of computer aided design through the use of AutoCAD drafting software. Students will visualize and create multiple 2D views of 3D objects (orthographics) and mechanical drawings. This course is excellent for students interested in pursuing architecture, computer aided design, or engineering. One semester fulfills the Applied Arts requirement**.** All subject GPA.
Code/Date: ATC16100R – June 12-June 29
Time: 8:00 a.m.-12:40 p.m.
Code/Date: ATC16200R – July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $ per semester

Foods and Nutrition 161
Food & Nutrition 161 is an introductory course designed to help students explore basic kitchen fundamentals. Students will create appetizing foods that are appropriate for busy schedules and average budgets. Units include fruits, vegetables, eggs, cheese, meat, grains and desserts as well as meal preparation and serving. One semester fulfills the Applied Arts requirement. All subject GPA.
Code/Date: FCF16100R – June 12-June 29
Time: 8:00 a.m-12:40 p.m.
Code/Date: FCF16200 – July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $ per semester

Keyboarding 161
Designed for those students who want to develop minimum keyboarding skills, this course includes essentials of operating a computer using the proper techniques of the touch system to increase speed and efficiency. Enumerations, letters, envelopes, tables, and outlines are covered. One semester fulfills the Applied Arts requirement. All subject GPA.
Code/Date: BRK16100R – June 12-June 29
Time: 8:00 a.m-12:40 p.m.
Code/Date: BRK16200R– July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $ per semester

Fine Arts

Art Studio 161
This course provides a strong base for specialized course offerings. Students are exposed to drawing, two-dimensional design, and art history, while using various art media and focusing on the elements of art and principles of design. This course fulfills the Fine Arts requirement. All subject GPA.
Code/Date: AAF161S0R – June 12-June 29
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Digital Imaging
This electronic imaging course utilizes the Macintosh computer, graphic software (Photoshop), scanner, and color printer to produce artwork, which draws from the elements and principles of design. Students will be exposed to current electronic imaging trends that are relevant in the art world today. Assignments such as Self-Portrait, Visual Culture/Illustration, and Photo Collage will be covered. All projects are described as fine art in nature. Students are encouraged to develop their individual self-expression and idea exploration through their work. This course fulfills the Fine Arts requirement. All subject GPA.
Code/Date: ACO16200R– July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Jewelry 161/261/361
Students will design and create one of a kind jewelry pieces. The emphasis of this course is on metal fabrication techniques and will include piercing, surface texturing, forming, cold connections, soldering, and finishing. Contemporary design and proper use of tools will be stressed. This course fulfills the Fine Arts requirement. All subject GPA. .
Code/Date: AJE16100R – June 12-June 29
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Fine Arts

Photography 161
An introduction to black and white photography, this course includes proper use of the camera, exposure controls, composition, and film processing and printing. **Each student must furnish his or her own film operated 35mm camera with lens and shutter adjustments.** One semester fulfills the **Fine Arts** or **Applied Arts requirement**. All subject GPA.
Code/Date: APH16200R – July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Sculpture 161
This three-dimensional course places emphasis on design quality and form using a variety of materials. Modeling techniques are explored with clay or other materials. Forms modeled in wax may be cast in brass. Basic welding and brazing with wire and sheet metal is introduced. This course fulfills the Fine Arts requirement. All subject GPA.
Code/Date: ACS16200R – July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Theatre Workshop
This course includes improvisation, theater games, and theater techniques. Students also work on acting techniques for making commercials. They analyze real audition scripts, prepare for auditions, and market themselves to agents. Become an actor on stage and before the camera! This course fulfills the Fine Arts requirement. All subject GPA.
Code/Date: EYD00100R – June 12-June 29
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Consumer Education

Consumer Education prepares students for financial decisions they will encounter now and in the future. Topics covered include basic economics, insurance, credit, investing, taxes, banking, housing, transportation, and budgeting. Course fulfills Illinois state requirement for financial literacy. All subject GPA.
Code/Date: BCE16100R– June 12-June 29
Time: 8:00 a.m-12:40 p.m.
Credit: ½ SR ONLY
Code/Date: BCE16200R – July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ JR SR *Seniors Priority*
Tuition: $ per semester

English - ELL

English ELL Language Workshop (Beginning ELL Students)
This class is designed for beginning level English learners. A variety of activities that focus on verbal and written communication are included to encourage the development of listening, speaking, reading, and writing skills in English. For others who are new to GBN or GBS, this course offers the opportunity for them to develop English language skills prior to entering the ESL program. All subject and academic GPA.
Code/Date: ESL10100R – June 12-June 29
Time: 8:00 a.m-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Vocabulary Builder (Intermediate ELL Students)
This course is designed for second language learners who have completed beginning courses in ESL, or new students who arrive with intermediate English language proficiency. Students will expand their knowledge and use of vocabulary through reading, writing, and speaking activities, while they work to improve grammar skills. This course is also recommended for incoming freshmen who have been placed in ESL 2 or ESL 3 for the fall. All subject and academic GPA.
Code/Date: ESL05100R – June 12-June 29
Time: 8:00 a.m-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

English

ENG16100R English 161 (SO JR)
ENG26100R English 261 (JR SR)
ENG36100R English 361 (SR)
ENG46100R English 461 (SR)
This course is designed for students who need remedial instruction for, or who have failed, first-semester English. Instruction may be individualized. Entering ninth graders may not take this class. All subject and academic GPA.
Date: June 12-June 29
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ Open to (see above)
Tuition: $215.00

ENG16200R English 162 (SO JR)
ENG26200R English 262 (JR SR)
ENG36200R English 362 (SR)
ENG46200R English 462 (SR)
This course is designed for students who need remedial instruction for, or who have failed, second-semester of English. Instruction is individualized.
All subject and academic GPA.
Date: July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ Open to (see above)
Tuition: $

Driver Education

Classroom 161 & Behind the Wheel (BTW)

Driver Education is a two phase program consisting of a 32- hour Classroom phase and a 6 hour Behind the Wheel phase:

1) **Classroom** (which is required for graduation and subject to GPA)

A student must complete 30 classroom clock hours to receive credit. The classroom phase stresses safety, rules of the road, and attitudes for safe driving.

2) **Behind the Wheel** (NOT required for graduation and subject to GPA).

The behind the wheel phase is not a graduation requirement. Any student who desires to get a driver's license prior to their 18th birthday must take this phase of the program in conjunction with the classroom phase. A student must have a minimum of 6 clock hours to receive credit. The behind the wheel phase teaches safety and competent driving techniques in actual driving situations (a car out on the road). A student must have 6 clock hours in order to receive credit. Students who are absent more than once, and do not meet

State of Illinois credit hour criteria (GDL), will be dropped from the program.

School District 225 will provide a 6-week summer Driver's Education Program, which consists of classroom (every other day for 2 hours) and behind the wheel (every other day for ½ hour of instruction and ½ hour of observation) instruction. Summer School Driver Ed. runs during the month of June and is completed during the last week of July.

The students will be notified of their exact schedule on the first day of summer school. Please take into account that classroom usually runs from 8:00 a.m. thru 10:00 a.m. every other day. The student may be scheduled anytime between 7:00 a.m. and 1:00 p.m. every other day for behind the wheel lesson.
****Please note that you are only allowed one absence total. If you exceed this amount you will be dropped from this course. Please do not plan a vacation during this time****

A **MANDATORY** parent/student information night will be held at **GBN** in **May, 2018 (tba).** At this meeting the registered student will take their permit test and vision exam. The parents will be updated on our Driver's Education Program.

The Rules of the Road booklet and more information regarding the parent/student meeting will be mailed out the beginning of May. The cost of the permit test and vision exam is $20.00. Payment **must be**

submitted at the parent/student information night. Please make checks payable to the **Illinois Secretary of State**.
The student must be 15 years old by May 1, 2018

First time Driver's Education students who wish to obtain a driving permit **must** enroll in both the **Classroom** and **Behind the Wheel** sections.

Code/Date: DEC16100R – June 12-July 24
Time: 8:00 a.m-10:00 a.m.
Credit: 1/4 SO JR SR
Tuition for Classroom: $

Code/Date: DWE16100R – June 12-July 24
Time: To be schedule the first day of classroom
Credit: 1/4 SO JR SR
Fee for Behind the Wheel: $
Total cost for Classroom & Behind the Wheel: $

If you have any concerns or questions, please contact:
Mr. Frank Whalen at 847-509-2468 (GBN)
Mr. John Skorupa at 847-486-4469 (GBS)

Health Education

The purpose of health education is to assist students in developing attitudes, values, and behaviors that will enable them to make informed personal decisions in the matters of health. The content areas include mental health, growth, and development, emergency care, disease control, substance use and abuse, nutrition, and issues related to adolescent development. One semester fulfills graduation requirement. All subject GPA.

Semester P.E. waiver does not apply during the school year.

Code/Date: PAH16100R – June 12-June 29
Time: 8:00 a.m-12:40 p.m.
Code/Date: PAH16200R – July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ SO JR SR
Tuition: $ per semester

General Electives

Habitat -Service Learning Practicum

This elective summer school course revolves around a 1-week service learning experience in cooperation with Habitat for Humanity of Michigan. Students will attend a 1-day safety/leadership training to prepare them for a week of building community, relationships and working to provide safe and affordable housing for families in poverty. Students will stay on location at the volunteer centers in Manistique or Battle Creek, MI. Each trip will have a maximum of 20 Sophomores/Juniors and 4 adult chaperones. All travel costs, housing, meals and Habitat ar included in the tuition cost. All subject GPA.

Trip Dates: June 10-June 16; June 17-June 23;
June 24-June 30 - Code: UGL16100R
Trip Dates: July 8-July 14; July 22-July 28
Code: UGL16200R
Credit: ½ JR, SR - By Invitation Only
Tuition: $500.00 per trip

Study/Learning Skills

This class is designed to assist high school students in improving their basic study skills. The student learns to adjust and develop patterns of reading and studying to fit science, social studies, math, and literature courses. Note-taking techniques, listening, preparing for tests, review techniques, and memory improvements are emphasized. All subject GPA.

Code/Date: UGT50100R – June 12-June 29
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR
Tuition: $

Physical & Nutritional Fitness

This is a dual curricular course which covers concepts of lifetime fitness, nutrition, and wellness. The physical activities of the class include a variety of aerobic, muscular strength, endurance, and flexibility activities. The nutrition portion of the class will allow the students to explore, create, and modify foods and recipes teaching them how to implement and develop nutritionally sound diets. All subject GPA.

***This course offers both make up PE and elective credit opportunities*.**

Code/Date: PNT16100R – June 12-June 29
Time: 8:00 a.m-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Writers' Workshop

This course uses a variety of writing experiences not available during the school year. Computers are used for some classroom activities. The course is designed for students with writing problems who want more fluency and for experienced writers who want the opportunity to develop a writing portfolio. All subject GPA.

Code/Date: ENW10100R – June 12-June 29
Time: 8:00 a.m-12:40 p.m.
Code/Date: ENW10200R – July 5-July 24
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $ per semester

Vocabulary Workshop

This course is designed to increase student knowledge of English vocabulary. Emphasis is upon active vocabulary building. Students increase their understanding of words and their historical context. Activities have been prepared to awaken and develop an interest in words. This course may also serve as an excellent preparation for the verbal section of the SAT. Prerequisite: Grade of C or above in regular or honors level English. All subject GPA.

Code/Date: ENV26100R – June 12-June 29
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Mathematics

A graphing calculator is required for math courses.

Algebra Readiness 161

This class is meant for lower-achieving students entering Algebra Team, Algebra G/Studies, or Algebra in the fall. The course will focus on foundational skills and concepts from Pre-algebra/Common Core 8 to better prepare students for success in an algebra course freshman year. Instruction will also focus on the deficits of the students. (Elective credit only; this course does not fulfill graduation requirement for math credit.) Prerequisite: Pre-algebra or equivalent. All subject GPA. **Students must have department permission in order to take this course.**

Code/Date: MAA10100R – June 12-June 29
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

Algebra 162SS

This course is designed for students who have completed a full-year algebra course and have been specifically identified by the mathematic departments of GBN or GBS, as needing extra support before entering geometry or advanced algebra. The course emphasizes key ideas from a first year algebra course including graphing linear functions and inequalities, solving linear and quadratic equations, operations on exponents, polynomials, and factoring. First priority will be given to those students for whom Algebra 162SS is a requirement for fall placement. Placement in Geometry 163/263 for the following school year will be based on summer school grades and teacher recommendation. Students must have department permission. All subject GPA.
Course is not guaranteed to run, unless a minimum registration count is achieved.

Code/Date: MAA29100R – June 12-June 29
Time: 8:00 a.m.-1:35 p.m.; Credit: 1⁄2 FR SO
Tuition: $

Algebra 161/162

This course covers operations and properties in algebra, proportions, solution of linear equations and inequalities, quadratics, factoring, graphing of lines and parabolas, solution of word problems, exponential functions, rational functions, radicals, and polynomials. All subject and academic GPA
Summer school courses are designed for remediation and are not to be taken for acceleration. Entering ninth graders may not take this class.

Code/Date: MAA16100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: MAA16200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m. Credit: ½ SO JR SR
Tuition: $ per semester

Algebra Enrichment for Honors Math

This course is for students that need additional work in Algebra skills, problem solving, and critical thinking in order to be successful in an honors class at the high school level. The course will emphasize using Algebraic skills and critical thinking in problem solving situations. The course will cover some or all of the following topics: Solving linear equations, graphs of linear equations, simplification and evaluation techniques, working with radicals and exponents, applying skills to non-routine situations, applications of writing in mathematics, factoring skills with applications. The Instructional Supervisor of Mathematics along with the summer school teacher will determine placement of incoming freshmen or current high school honors math students who are required to take this course in order to obtain placement in the honors program. Attending this summer course is not automatic entry into the honors course for the following school year. **The Instructional Supervisor of Mathematics determines enrollment. Students must have department permission in order to take this course.** All subject GPA only (elective credit, does not fulfill graduation or college requirements) **Course is not guaranteed to run, unless a minimum registration count is achieved.**

Code/Date: MAE16100R – June 12-June 29
Time: 8:00 a.m.-1:35 p.m.
Credit: ½
Tuition: $

Algebra G 161/162 (GBN)
Algebra Studies 161/162 (GBS)

This algebra course begins the "G/Studies" sequence, a college preparatory mathematics program. Students in this course generally cover the same topics as students in Algebra 163. The pace of the course and problem selection is matched to student ability. The focus is on the topics of linear equations, systems of equations, inequalities, exponents, and absolute value quadratics, polynomials, and properties of exponents. All subject and academic GPA. **Summer school courses are designed for remediation and are not to be taken for acceleration. Entering ninth graders may not take this class.**

Code/Date: MAA15100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: MAA15200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ SO JR SR
Tuition: $ per semester

Mathematics

A graphing calculator is required for math courses.

Geometry G 161/162 (GBN)
Geometry Studies 261/262 (GBS)

This Geometry course covers the same geometry topics as described for Geometry 163 (GBN)/263 (GBS). However, algebraic expectations are based on Algebra G/Studies 163 material, and proof is covered through triangle congruence and similarity. Prerequisite: Algebra G/Studies 163 or equivalent. All subject and academic GPA.**Summer school courses are designed for remediation and are not to be taken for acceleration. Entering ninth graders may not take this class.**

Code/Date: MAG25100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: MAG25200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ SO JR SR
Tuition: $ per semester

Geometry 161/162 (GBN)
Geometry 261/262 (GBS)

Geometry is a plane geometry course with extensions to three dimensions. Algebra is used as a transitional tool to relate geometric concepts to previously learned material. This course is designed to develop critical thinking through analytic reasoning and an understanding and appreciation of basic geometric relationships. Geometric construction and deductive proof are emphasized. Prerequisite: Algebra 163. All subject and academic GPA. **Summer school courses are designed for remediation and are not to be taken for acceleration. Entering ninth graders may not take this class.**

Code/Date: MAG16100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: MAG16200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ SO JR SR
Tuition: $ per semester

Algebra II G 261/262 (GBN)
Algebra II Studies 361/362 (GBS)

This course includes systems of equations, polynomial arithmetic, complex numbers, solutions of quadratic equations, exponential and logarithmic functions, sequence and series, graphs of polynomial functions and conic sections. Prerequisite: Geometry G/Studies 163/263 or equivalent. All subject and academic GPA. **Summer school courses are designed for remediation and are not to be taken for acceleration. Entering ninth graders may not take this class.**

Code/Date: MAI35100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: MAI35200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ SO JR SR
Tuition: $ per semester

Algebra II 261/262 (GBN)
Algebra II 361/362 (GBS)

Algebra II reviews and extends the subject content of Algebra 163. Topics include inequalities, systems of equations, matrices, complex numbers, exponents, radicals, polynomials, conic sections, sequences and series, probability, and in-depth work with functions (linear, quadratic, exponential, logarithmic, polynomial, and rational). All subject and academic GPA. **Summer school courses are designed for remediation and are not to be taken for acceleration. Entering ninth graders may not take this class.**

Code/Date: MAI36100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: MAI36200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ SO JR SR
Tuition: $ per semester

Mathematics

A graphing calculator is required for math courses.

Pre-Calculus with Trigonometry 161/162 (GBN) Pre-calculus 461/462, Pre-Calculus with Statistics 461/462 (GBS)

Pre-calculus includes standard subject matter from college algebra, trigonometry, and analytic geometry. Students study the following topics: complex numbers, trigonometric functions, identities and formulas, circular functions and inverses, matrices and determinants, graphing techniques, and analytic geometry. Topics in trigonometry are covered in the second semester of this course during summer school. Graphing calculator techniques and computer applications are included in this course. *Students who received credit for Algebra II 273 (GBN) /373 (GBS) cannot receive credit in this course unless they have secured math department permission*. Prerequisite: Algebra II 263/363 and department recommendation. All subject and academic GPA.
Summer school courses are designed for remediation and are not to be taken for acceleration. Entering ninth graders may not take this class.
Code/Date: MAP16100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: MAP16200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ JR SR
Tuition: $ per semester

Special Education

Independent Summer Study

Independent Study is designed for special education students who have had difficulty in traditional academic settings or have not met graduation requirements due to scheduling conflicts or academic failure. Students work independently on a contractual basis, focusing on work production, quality of work, and attendance. Teacher permission is required. Students should contact their case managers for their approval before registering.
Code/Date: TEX12100R – June 12-June 29
Time: 9:00 a.m-11:00 a.m.
Code/Date: TEX12200R – July 5-July 24
Time: Time: 9:00 a.m-11:00 a.m.
Credit: ½ SO JR SR with current IEP
Tuition: $150.00 per semester

Science

Biology 161/162

A first year biology course that investigates the common characteristics of all living organisms including: cell structure and function, energy in living systems, reproduction, growth, development, genetics, evolution, and interactions within and between species in a variety of environments. This course takes on an ecological approach to biology and focuses on using our community and local environments to explore the characteristics of life. Throughout the summer, students will experience a variety of laboratory activities designed to enhance their problem solving skills and understanding of scientific processes. All-subject and academic GPA.
Code/Date: SCB12100R – June 12-June 29
Time: 8:00 a.m.-1:35 p.m.
Code/Date: SCB12200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ SO JR SR
Tuition: $ per semester
*** This course is generally <u>not</u> recommended for students taking high school biology for the first time. Any students desiring to take this as a first biology course must request enrollment in BOTH semesters and seek approval from the Instructional Supervisor for Science at the student's respective school prior to registering for this course**

Chemistry 161/162

Chemistry, the initial quantitative science course in our college preparatory sequence, develops major chemical concepts. Chemistry students explore laboratory studies while developing mathematical models and theoretical explanations of chemical processes. Topics typically include particulate nature of matter, the periodic table, atomic structure, nomenclature, reactions, gas laws, the mole & stoichiometry, and acids/bases. Prerequisite: Algebra 163 or equivalent. All-subject and academic GPA.
Code/Date: SCC16100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: SCC16200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ SO JR SR
Tuition: $ per semester
*** This course is generally <u>not</u> recommended for students taking high school chemistry for the first time. Any students desiring to take this as a first chemistry course must request enrollment in BOTH semesters and seek approval from the Instructional Supervisor for Science at the student's respective school prior to registering for this course.**

Social Studies

Baseball as America 161

This course will examine how our national game, baseball, contributes to and reflects the changing nature of American society. Students will be engaged in a broad array on interdisciplinary activities connected to the game that will reveal how baseball explains and reveals much about American life. The following topics will be covered: The history and origins of the game, heroes, issues of race, science and technology, economics, gender issues, sociology of fan behavior, architecture and American myths through film and literature. This class conducts a field trip to a professional baseball game. All subject and academic GPA.

Code/Date: SRE09100R – June 12-June 29
Time: 8:00 a.m.-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $ (Does not include cost of field trips)

Civics

Civics examines the structures and functions of our national, state and local political systems, with emphasis on citizen responsibility and engagement. This class fulfills Illinois' requirements for civics education and the administration of tests that cover major facets of U.S. government. Students must earn passing marks on such tests to graduate.
All subject and academic GPA.

Code/Date: SPC16100R – June 12-June 29
Time: 8:00 a.m-1:45 p.m.
Code/Date: SPC16200R – July 5-July 24
Time: 8:00 a.m.-1:45 p.m.
Credit: ½ SO, JR *Junior's Priority*
Tuition: $ per semester

History of World Civilization 161/162

In this course, students will study the history of ancient and modern civilizations throughout the world. Students will examine the major institutions and events that have fostered the history of various countries in both the western and non-western world. This approach provides a greater understanding of global perspective we all must strive to achieve as citizens of the world today.
All subject and academic GPA.

Code/Date: SHC16100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: SHC16200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ FR SO
Tuition: $ per semester
*** Enrollment in BOTH semesters is required if taking course for first time**

Sports in Society

Sports in Society will analyze the connection between athletics and American society, past and present. The course will also explore, from the sociological perspective, contemporary issues and controversies in sports today. Sports in Society is an enrichment course exploring the following units: history, sports and societal change, the role of athletes in society, high school and college athletics, and the Olympics. This class is a regular level summer school course; students will earn .50 credit for the social studies elective. All subject and academic GPA.

Code/Date: SRE10200R – July 5-July 24
Time: 8:00 a.m-12:40 p.m.
Credit: ½ FR SO JR SR
Tuition: $

U.S. History 161/162

The course traces the origin and development of the United States with emphasis on the political, economic, and social institutions. Significant time is devoted to the 20th century and to the rise of the United States as a world power. During the first semester an examination is administered that fulfills the requirement of the State of Illinois to pass a Constitution test.
All subject and academic GPA.

Code/Date: SHU16100R – June 12-June 29
Time: 8:00 a.m-1:35 p.m.
Code/Date: SHU16200R – July 5-July 24
Time: 8:00 a.m.-1:35 p.m.
Credit: ½ JR SR
Tuition: $ per semester
*** Enrollment in BOTH semesters is required if taking course for first time.**

SUMMER CAREER EXPLORATION COURSES 2018

Sponsored by NSERVE and Oakton Community College

Career Exploration Courses are three-week programs that introduce students to challenging careers. They offer students the opportunity to explore a variety of related career options, providing them with realistic perspectives about the skills needed for success in the workplace while emphasizing the connections between academics and careers. The courses incorporate experiential learning activities and field trips focused on careers in specific clusters, affording students the opportunity to talk to professionals in their field of interest.

Three classes will meet at Oakton Community College, Des Plaines campus, the fourth at Wagner Farm, Glenview. Transportation to and from each **district** is provided by NSERVE. Career exploration courses are open to students from Evanston, Glenbrook, Niles, Maine, and New Trier Townships.

Dates:	**June 11 – 28, 2018** ***(Please note that this may differ from your district's summer school dates)***
Hours:	**8:00 am – 12:30 pm**
Credit:	**½ elective credit (pass/fail only)**
Fees:	**$225.00**
Open to:	**Sophomores, Juniors, and Seniors**
Note:	**Students & parents will be asked to attend an *evening* orientation meeting at Oakton Community College, Des Plaines campus, prior to the classes.**

Special Note: **Oakton courses have limited enrollment for each of the participating school districts. If the course you're interested in is full at the time of registration, please put your name on the wait list. Oakton will select students by lottery at the end of March for those students who are wait listed. District 225 will only notify you if your name has been selected.

Course Descriptions:

Careers in Engineering and Nanotechnology **2 Seats Available

Explore the exciting fields of engineering, electronics, robotics, high-tech manufacturing, and nanotechnology through labs, team building, and problem solving. Build and program robots, compete with other teams, and observe material properties and nanolithography techniques for work at the nanoscale. Field trips in the past have included Winzeler Gear, Illinois Science + Technology Park, Sandvik, Big Kaiser, and Avon Products to meet with a variety of professionals in science, technology, engineering and math. **Course Code: BPL04100R**

Careers in Business and Law **2 Seats Available

Future Entrepreneurs! This class gives an overview of American business today, including first-hand knowledge of entrepreneurship, finance, marketing, management, and legal careers. You will gain competencies in investment strategies, business processes and planning, communication, collaboration, resource management and leadership skills. Use of technology will mirror the work of professionals in various business careers. Past trips have included sites such as Abt, Groupon, Cook County Courthouse, Echo Global Logistics, and Wrigley Field, to meet with a variety of professionals. **Course Code: BPL01100R**

SUMMER CAREER EXPLORATION COURSES 2018

Sponsored by NSERVE and Oakton Community College

Careers in Healthcare **4 Seats Available

Healthcare careers are varied, rewarding, and always in demand. Start your healthcare career path by experiencing medical and anatomy laboratories, practicing physical therapy techniques, performing patient assessments, and applying medical ethics in problem solving real-life situations. Travel to a variety of healthcare-related sites, meet with professionals in a wide variety of healthcare careers, and work in a medical simulation lab. Past trips have included Lutheran General Hospital, Northwestern's Feinberg School of Medicine, Glenview Fire Department, and The Illinois School of Optometry. Guest speakers may include a physician, physical therapist, physician's assistant, hospice worker, and a veterinarian. **Course Code: BPL03100R**

Environmental and Horticulture Careers: Managing Resources for a Hungry Planet **2 Seats Available

Do you imagine yourself in a career that allows you to improve the lives of people around the world, one that empowers you to become an environmental steward of the planet and our natural resources? Do you want to take a *hands-on* class that lets you get outside and learn by getting dirty? Start on the path to solving the world's biggest problems: water shortages, global hunger, childhood obesity, and environmental catastrophes. Learn skills that will help you prepare for a high-demand and rewarding career associated with managing environmental pollution, soil usage and fertility as it relates to food production in urban areas, golf course turf management, and the science involved in bringing food from the farm to the grocery store. Past field trips have included Local Foods, Golden Oaks Farm, Loyola Institute of Environment and Sustainability and Hogan's Farm. Instructors work in Agriculture daily and will show you how food is produced, processed, transported, and prepared for the consumer. This class will meet at The Talking Farm in Skokie each day to allow for hands-on work and labs outside of a classroom setting. **Course Code: BPL05100R**