

# South Seneca High School 2019-2020 Course Guide

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## An Important Note for Both Parents and Students

The South Seneca School District's Board of Education amended Section 4750-R of the Board Policy during the 2012-13 academic year. This amendment imposes consistent guidelines for minimum graduation requirements with the State Education Department's minimum requirements for graduation, beginning with the Class of 2013.

The Board has also approved defining a student's class standing by the number of credits earned. The following table illustrates the credit cutoffs:

<u>Minimum number of credits needed</u>	<u>Class Standing</u>
5 ½	Sophomore
11	Junior
16 ½	Senior

Class standing in September is retained for the entire year regardless of course load. The exception pertains to fourth year students who hold Junior status at the beginning of the year. A revised credit count will take place in February to determine Senior status and graduation eligibility.

# Art

## Course Title: Studio Art

Credit: 1

Prerequisite(s): Middle School Art

Studio Art is a beginning level, full-year art course, for grades 9-12. This course meets the Regents' Fine Arts requirement for graduation, is a pre-requisite for all advanced level elective art courses, and is a required course for all art majors.

Studio Art introduces a variety of art materials, tools, processes, vocabulary, resources, history and culture. Explore drawing, painting, printmaking, sculpture, and ceramics. Develop technical skills, personal expression and style, and creative thought processes. Analyze and reflect upon your own artwork, as well as the works of your peers and other artists. In addition to projects, Studio Art includes sketchbook assignments, critiques, a portfolio, and an art museum field trip. **All art courses require work time outside of class.**

Students of all artistic and ability levels are able to be successful with adequate participation and effort. Studio Art will give you the basic background necessary to create, understand, assess and appreciate visual art, and to successfully continue on into other art courses.

## Course Title: Drawing and Painting

Credit: 1

Prerequisite(s): Studio Art

Drawing and Painting is an advanced level, full year elective art course for grades 10-12. Studio Art is a pre-requisite for this class. Students who have previously taken Drawing and Painting, and passed with at least a final grade of 85 or better, may opt to take this course at the more advanced level.

Drawing and painting are fundamental skills for artistic expression in all media. Explore a variety of drawing and painting materials and techniques. Develop your creativity as you transform idea sketches into final artworks. Learn how to accurately represent what your eyes see, develop composition skills and increase your understanding of color theory. The course will begin with drawing and then transition into painting.

In addition to projects, Drawing and Painting includes critiques, a sketchbook, a webfolio (digital portfolio), and a final project. A field trip and/or guest artist may also be included.

**All art courses require work time outside of class.** As an artist, you will discover that the level of your artistic ability and satisfaction grows with your participation, effort, and time commitment.

## Course Title: Creative Crafts - 1<sup>st</sup> Semester Creative Crafts - 2<sup>nd</sup> Semester

Credit: ½ each

Prerequisite(s): Studio Art, DDP, or DMP

Creative Crafts is an advanced level, half year elective art course for grades 10-12. Studio Art is a pre-requisite for this class. Students have the option of taking this course for one semester (either in the fall or spring) and earn ½ credit, or for both semesters and earn 1 credit.

Explore traditional and contemporary crafts by working with a variety of techniques and materials, such as clay, metal, wood, paper, glass, textiles, and/or fibers. Express your creativity as you learn about two- and three-dimensional design and hand crafted objects from cultures around the world. Different projects and content will be covered during each semester.

In addition to projects, Creative Crafts includes critiques, a webfolio (digital portfolio), a field trip, and a final project.

**All art courses require work time outside of class.** As an artist, you will discover that the level of your artistic ability and satisfaction grows with your participation, effort, and time commitment.

**Course Title: Photography A\***

Credit: ½

Prerequisite(s): Studio Art

Photography A is an advanced level, half-year elective art course for grades 10-12. Studio Art is a pre-requisite for this class.

Discover the evolution of photography and how it is both an art and a science. Use a 35mm camera and film to take photographs, and then explore the darkroom chemicals and equipment to develop your negatives and print fine art black and white photographs. Professionally finish off your prints with a dry-mounting press. Develop the eye and style of a photographer by learning about a variety of techniques and famous photographers. Emphasis will be placed on composition, lighting, and expression.

In addition to projects, Photography A includes critiques, reading and homework assignments, a webfolio (digital portfolio), a field trip, and a final project.

**All art courses require work time outside of class.** As an artist, you will discover that the level of your artistic ability and satisfaction grows with your participation, effort, and time commitment.

***NOTE: Photography A requires the purchase of some supplies, which totals approximately \$80 for the semester. You do NOT need to pay this all at once. You will need \$30 at the start of the course. Cash only; no checks or charging.***

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Photography B\***

Credit: ½

Prerequisite(s): Photography A

Photography B is an advanced level, half-year elective art course for grades 10-12. Photography A is a pre-requisite for this class.

Continue taking, developing, printing, and mounting photographs, while you also learn about and use filters, tinting, toning, coloring, and other creative and experimental techniques. In addition to projects, the course includes a video series, critiques, a webfolio, and a final project.

**All art courses require work time outside of class.** As an artist, you will discover that the level of your artistic ability and satisfaction grows with your participation, effort, and time commitment.

**NOTE: Photography B requires the purchase of some supplies, which totals approximately \$80 for the semester. You do NOT need to pay this all at once. You will need \$30 at the start of the course. Cash only; no checks or charging.**

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Printmaking\***

Credit: 1

Prerequisite(s): Studio Art

Printmaking is an advanced level, full year elective art course for grades 10-12. Studio Art is a pre-requisite for this class.

Explore different types of printmaking processes and materials to create monotype, relief, drypoint, collagraph, etching, gum transfer, and/or silkscreen prints. Develop your artistic skills and creativity as you transform idea sketches into final artworks.

In addition to projects, Printmaking includes critiques, a sketchbook, a webfolio (digital portfolio), a field trip, a guest artist, and a final project.

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Sculpture\***

Credit: 1

Prerequisite(s): Studio Art

Sculpture is an advanced level, full year elective art course for grades 10-12. Studio Art is a pre-requisite for this class.

Work with carving, casting, construction, and modeling techniques to create three-dimensional artworks from clay, wood, glass, paper, and other materials. In addition to projects, Sculpture includes critiques, a sketchbook, a webfolio (digital portfolio), a field trip, and a final project.

**All art courses require work time outside of class.** As an artist, you will discover that the level of your artistic ability and satisfaction grows with your participation, effort, and time commitment.

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Ceramics\***

Credit: 1

Prerequisite(s): Studio Art

Ceramics is an advanced level, full year elective art course for grades 10-12. Studio Art is a pre-requisite for this class.

Explore hand-building and wheel throwing tools and techniques to create bowls, mugs, plates, containers, and other vessels from clay. Work with glazes, stains, and engobes to decorate and finish your ceramic pieces. In addition to projects, Ceramics includes critiques, a sketchbook, a webfolio (digital portfolio), a field trip, and a final project.

**NOTE: Since Ceramics requires drying and kiln firing time, students work on 2 to 3 projects simultaneously. Good planning and time management skills are necessary.**

**All art courses require work time outside of class.** As an artist, you will discover that the level of your artistic ability and satisfaction grows with your participation, effort, and time commitment.

**\*This course will not be offered in the 2019-20 school year.**

## **Business**

***“The Mission of the Business Education Department at South Seneca High School is to provide all students with a fundamental understanding of how the business world functions, and how they, as students, can use this information to make more educated decisions as they relate to their future beyond high school so that they will have the ability to make a positive contribution to our community and society.”***

**Course Title: College Success Seminar**

Credit: ½

Prerequisite: Senior Level Student or Guidance Recommendation

**\* Students completing this course with an 85 or better will earn 3 credit hours toward college from TC3 (ACAD 150 equivalent).**

This course promotes students’ personal adjustment and academic success in their first college semester. Students will conduct interest surveys and research colleges that may interest them. Topics of the course will include adjusting to college life, developing essential learning and time management strategies, developing goal setting and decision making strategies, learning about college resources, and placement testing. Course material will also include information about the Financial Aid Process.

**Course Title: Introduction to Business**

Credit: ½

Prerequisite: None

Students will learn business terminology, business concepts, how businesses are set up and organized. Students will learn about the various economic systems used throughout the world and how they fit into our mixed market economy. Students will explore various career areas and explore what interests they have so that they may make better decisions as they relate to what classes they may want to pursue in high school and beyond. Students will be introduced to how financial markets are set up and operate. Entrepreneurship will also be introduced. An emphasis will be placed on the role that money plays in our economic system.

**Introduction to Business should be taken prior to taking any other business courses as it introduces the majority of the terminology and concepts used in other advanced business courses.**

**Course Title: Microcomputer Applications**

Credit: ½

Prerequisite: Keyboarding

Through this course students will become familiar with the various applications of Microsoft Office 2013. Students will learn about the Windows 8 Operating System. Application Software will include Internet Explorer, Microsoft Word, and Excel. Students will gain an insight as to how the various applications can work together. Students will also gain an insight as to the various internal and external parts of a personal computer and how they operate.

**Course Title: Digital Media Production**

Credit: 1

Prerequisite(s): None

This course serves as an introduction to and exploration of media based communication. Its objective is to provide students with hands-on production experience while also familiarizing them with relevant and controversial debates surrounding media issues. Students will develop basic technical and conceptual skills for production and take a critical look at computer applications and media culture. A variety of media examples including television program excerpts, commercials and movies will be presented for analysis. Areas of exploration include media literacy, audio editing, storytelling, camera/tripod operation, video editing, animation, and DVD production. **This course may be applied as either business or art credit. Students successfully completing the DVD portion of this course can earn 1 college credit hour from TC3. This credit can often be transferred from TC3 to other institutions.**

**Course Title: Web Design**

Credit: ½

Prerequisite(s): None

Web Design is a hybrid course bringing together technical computer skills, business-related marketing concepts, and the aesthetics of design appeal. Students will explore the planning process of web page design including the establishment of logically arranged hierarchies. They will gain an understanding of the mechanics of web page construction including the manipulation of text and graphics, use of hyperlinks, and arrangement of structural frames and forms. In addition, students will demonstrate effective use of the principles of design. Students will develop a familiarity with the html and CSS markup languages. Over the course of the semester, students will work individually to design a personal web page. **Students completing this course with at least an 85 can earn 1 college credit hour from TC3. This credit can often be transferred from TC3 to other educational institutions**

**Course Title: Introduction to Programming**

Credit: ½

Prerequisite(s): None

With the increased use of computers, smartphones, and other electronic devices, interest in program and application development has grown. In addition, the computer and robotic automation of many traditional manufacturing jobs today frequently requires some knowledge of programming. This is a course for students who wish to learn the basics of computer programming either for their own curiosity or as part of a career plan; no prior programming experience is required. The course will introduce basic programming terminology, concepts, and best practices. Students will learn to write programs in the JAVA language using such constructs as variables, statements, functions, loops, arrays, and classes. Good programming habits and problem solving strategies will be covered, as well as program design, flow charting and architecture, and debugging techniques.

**Course Title: Business Economics**

Credit: ½

This class is intended to give students an opportunity to examine topics in some depth, applying analytic techniques of the discipline. An attempt has been made to give the course some flexibility with respect to the abilities and previous preparation of students as well as to the resources available in the school. Business Economics represents half of the senior year Social Studies requirement.

This course consists of two sections: Personal Finance and an introduction to how the basic principles of economics apply to you and how they relate to your personal finances and your life beyond high school. This course will give you a better understanding of how not just our economic system works but others as well.

**Course Objectives:**

- Provide you with an understanding of your own personal finances so that you may make wise decisions regarding your financial future.
- Provide you with an understanding of how our economic system works.
- Provide you with an understanding of you fit into the economy.
- Provide you with an understanding of how other economic systems work and their basic principles.

**Course Title: Commercial Art and Design**

Credit: 1

Prerequisite(s): None

This course is designed to increase student understanding of various manual and digital image techniques that are used by designers in commercial art settings. A major focus will be on creative problem solving, and how designers develop ideas for clients that communicate a desired message to a specific audience. Units explored include principles of design and layout, design history, advertising, logo design, typography, and package design, among others. In addition, students will explore professional work-related skills and various careers related to the graphic arts industry. Students will learn different ways to communicate their ideas through discussion, journal writing, critiques, and projects. **This course may be applied as either business or art credit.**

**Course Title: College Accounting**

Credit: 1

Prerequisite(s): Recommended for Juniors & Seniors

Content of this course will parallel the first semester of a college introductory accounting course and involves more analysis than the traditional high school accounting class. The course introduces basic accounting concepts, principles, and practices for a service or merchandising business at an accelerated pace. Students are introduced to accrual based accounting. Emphasis is placed on adjustments, special journals, and financial statements. **Students completing this course with at least an 85 and passing a TC3 exam can earn 4 credit hours from TC3. This credit can often be transferred from TC3 to other educational institutions.** As this course is given with college-level expectations, consistent study habits and high motivation are required. Students who are comfortable working independently and who get satisfaction from being accurate can expect to do well in this class.



**Course Title: Business Law**

Credit: 1

Prerequisite(s): None

The course emphasis is on the individual as he/she encounters business law in personal, family, and occupational life. It is introduced with an overview of what law is, why it is needed, and how it affects both society and the individual. By studying true situations and cases, students will learn how business and personal law impacts the real lives of young people and adults as well. The remainder of the course is a study of the legal rules applicable to business contracts with special emphasis on personal/business liability, sales, payments, renting and owning property, wills, and family law. This is a good preparatory course for a student planning to follow a college business management program. **Business law can be applied towards a 5<sup>th</sup> credit social studies sequence.** Students will be graded on tests, homework assignments, class participation, case studies, and projects.

**Course Title: Animation & 3D Modeling**

Credit: ½ or 1 credit

Prerequisite(s): None

This course is designed to give students an introduction to the art and science of animation. After an initial introduction to the principles of animation in two dimensions, students will explore the manipulation of objects in three dimensional space through use of Blender, an open-source modeling and animation software. In addition to evaluating a variety of animation examples, course topics will include character/story development, special effects, motion graphics with keyframes, and finally rendering.

**This course may be applied as either business or art credit.**

**Course Title: Hospitality Business and Foods Management**

Credit: 1

Prerequisite(s): None

The objective of this course is to provide the student, through practical experience and lecture, a basic understanding of food production and principles, industry terminology, and the care and use of food service equipment. The student, upon satisfactorily completing the course, should be able to judge food preparation and recognize a standard product. Students will also be exposed to a number of food products, qualities, and industry trends. Students will be taught these principles through utilizing reading comprehension, math skills, note taking, and practical experience through actual food preparation. Careers related to the Food and Hospitality Industries will also be explored. Proper sanitation and safety practices will be emphasized. **Safety will be priority number one.**

**Course Title: Small Business Management\***

Credit: 1

Prerequisite: None

This course is designed to provide the student with an introduction to the concepts of business management. The intent is to balance economic and regulatory considerations with management skill development. Through a variety of activities the course content should enable the student/entrepreneur to successfully start and maintain a small business. As a final project, students will develop a real business plan.

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Marketing\***

Credit: 1

Prerequisite(s): None

This course introduces students to the important role that marketing plays in our economic system and examines its effect on our daily lives. Content revolves around the basic marketing functions: selling, promotion, pricing, purchasing, product/service, and idea planning and distribution. Projects, including marketing research, are developed to give students hands-on experience using these functions. Students will be introduced to career opportunities in marketing and the training necessary to obtain them.

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Advanced Digital Media Production\***

Credit: 1

Prerequisite(s): None

This course continues exploration begun in the basic Digital Media Production class. Students will be expected to build upon concepts and skills learned in previous coursework and to advance both their understanding of, and skills in producing, electronic media-based communication. Students will be given increased project design authority, working in both teams and individually to produce media relevant to themselves, our school, and the local community. Advanced editing and special effects techniques will be explored. Completed projects will be formally presented to an appropriate audience. **This course may be applied as either business or art credit.**

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Digital Literacy\***

Credit: ½

Prerequisite: None

Near universal use and increasing reliance on the internet for research, global collaboration, media creation and distribution of information offers a wealth of new possibilities. This course serves as an introduction to these resources and how they can be harnessed to improve academic performance. Students will use free internet tools to collect, evaluate, synthesize, share and comment on resources from the web and the work of others as well as their own. An overview of internet safety will be followed by a unit exploring effective and varied internet searching with particular emphasis on determining site reliability and relevance. A deeper understanding of copyright and creative commons rules will be developed. Finally, web 2.0 tools such as wikis, blogs & microblogs, podcasts, RSS feeds & aggregators, web portals, social networking, and social bookmarking will also be examined and tested in a safe and secure environment. Students will educate others in the school and/or greater community by sharing through the internet using the tools explored in class. Grading will be based on electronically gathered resources, reflections, collaboration /contribution, class participation and quizzes.

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Advanced Programming\***

Credit: ½

Prerequisite(s): Introduction to Programming

This course is for students who would like to explore concepts in programming beyond the introductory level. Specifically, students will be looking at ways to develop code that works interactively with the world around us,

either through the internet or with physical objects. An overview of Javascript will be followed by more in-depth exploration of the Python programming language. Students will be encouraged to work towards the solution of an originally conceived, functional and purposeful programming problem.

**\*This course will not be offered in the 2019-20 school year.**

## English

### Course Title: English 9

Credit: 1

Prerequisite: Successful completion of English 8

Freshman students complete a Regents program that follows NYS Standards and culminates in a Regents exam during their Junior year. Students study a variety of literature genre, which may include *The Pearl*, *Killing Mr. Griffin*, *A Raisin in the Sun*, *Romeo and Juliet* and numerous short stories and poems. Reading will be accompanied by related discussions, written assignments (Close Reading, Analysis Questions, Response Questions, Extended Response), quizzes and projects.

### Course Title: English 10

Credit: 1

Prerequisite: Successful completion of English 9

Tenth grade English explores a variety of works from American and World Literature, such as *Macbeth*, All Quiet on the Western Front, Hiroshima, and various poems and short stories. Writing assignments will include Regents practice essays and two academic research projects. **Successful completion of the English 10/Global History II research paper is required in order to earn course credit.** All assignments are designed to continue developing essential skills in the areas of reading, writing, speaking, and listening.

### Course Title: English 11

Credit: 1

Prerequisite: Successful completion of English 10

English 11 explores a variety of literary genres. Extensive readings are completed using short stories, novels, and articles that will be distributed to students. Students will also be extending their vocabulary in preparation for college testing (SAT and ACT) and to enhance their understanding of the materials read in class. All students are required to take and pass the Regents Examination in English Language Arts. Activities and assignments given throughout the year prepare the students for this exam. Students are required to keep a notebook, digitally access class materials, and remain current on assignments. Writing assignments are varied and include short and extended responses.

### Course Title: English 11 Honors

Credit: 1

Prerequisite: Successful completion of English 10 or teacher recommendation

English 11 H explores a variety of literary genres. Extensive readings are completed using short stories, novels, and articles that will be distributed to students. Students will also be extending their vocabulary in preparation for college testing (SAT and ACT) and to enhance their understanding of the materials read in class. All students are required to take and pass the Regents Examination in English Language Arts. Activities and

assignments given throughout the year prepare the students for this exam. Students are required to keep a notebook, digitally access class materials, and remain current on assignments. Writing assignments are varied and include short and extended responses.

Students in the Honors section can expect to take their thinking to the next level, often producing work created to analyze and evaluate the given reading material. Students in the Honors English program will need to maintain an average of at least an 85 throughout the year.

**Course Title: English 12**

Credit: 1

Prerequisite: Successful completion of English 11

In an effort to prepare senior English students for the real world they are about to enter, students in English 12 will examine the role that literacy plays in everyday life. Students will read a variety of genres in order to discover new ideas and develop their own. Students will write with purpose creating essays for college applications, resumes, and cover letters to potential employers. Finally, students will speak and listen to peers, to parents, to community members, and to teachers all in an effort to enhance their communication skills.

**Course Title: English 101/102: College Writing and Literature**

Credit: 1

Prerequisite: Successful completion of English 11 Honors or teacher recommendation

Through a comprehensive introduction to the major aspects of literature, students develop and refine an effective writing process of planning, invention, drafting and revision. Various rhetorical modes including, but not limited to, literary analysis, persuasive, research (APA & MLA), narrative, descriptive, and process help students understand fiction, drama, and poetry as forms of literary expression, as well as a variety of non-fiction forms covering diverse topics. The student is responsible for nightly in-depth assignments, organizing his/her ideas in written form, and active participation in classroom discussion. The course is taken for English credit and college credit through TC3. Students have the option to take the AP English exam in May, for which voluntary review classes will be offered.

## Foreign Language

**Course Title: Spanish I**

Credit: 1

Prerequisite(s): None

This full year introductory course is for students who have never taken Spanish before OR who took Spanish in middle school but did not pass the Checkpoint A examination. Students enrolled in this course have little or no proficiency in the language. The students will learn basic high frequency vocabulary topics, verbs in the present tense and other basic grammar points. *Successful completion of this course meets the mandatory one credit requirement for high school graduation.*

**Course Title: Spanish II**

Credit: 1

Prerequisite(s): Spanish I

This course is offered to students who have passed the Checkpoint A Exam in 8<sup>th</sup> grade or who have successfully completed Spanish I. It emphasizes listening and speaking skills in the target language. The

primary goal this year is for the student to become more proficient in Spanish and to increase the students' knowledge and understanding of the language. Many grammar concepts and verb tenses will be practiced. Students are expected to communicate predominantly in Spanish.

**Course Title: Spanish III**

Credit: 1

Prerequisite(s): Spanish II

This course is offered to students who have successfully passed Spanish II. Spanish III prepares students for the Checkpoint B examination. Students will enhance their reading, writing, listening and speaking skills within the context of NYS World Languages Checkpoint B thematic vocabulary units. More complex grammar concepts and verb tenses will be practiced. Students are expected to communicate predominantly in Spanish.

**Course Title: Spanish IV**

Credit: 1

Prerequisite(s): Spanish III

This class is offered to students who have successfully completed Spanish III. This is a CollegeNow concurrent enrollment course with TC3. Successful course completion will give them credit for Intermediate Spanish 201 and 202 (6 credits total). The majority of the instruction will be conducted in Spanish. Students will be expected to contribute to class discussions on a variety of topics. A review of all major verb structures will be incorporated into the units. Students will interact with various readings, produce projects and make presentations to enhance their knowledge and understanding of Spanish.

**Course Title: Spanish V**

Credit: 1

Prerequisite(s): Spanish IV

This class is offered to students who have successfully completed Spanish IV. This is a CollegeNow concurrent enrollment course with TC3. Successful course completion will give them credit for Intermediate Spanish – Hispanic Literature & Culture 280 and 281 (6 credits total). Major emphasis is placed on helping students improve their oral communication skills and reading comprehension. Students will explore different aspects of the cultures, history, and current events of the Spanish speaking world. The majority of the instruction will be conducted in Spanish.

## **Health**

**Course Title: Sr. High Health Education**

Credit ½

Prerequisite(s): Health 8

The general purpose of Health is to teach, re-teach and allow students to practice lifetime skills that will promote physical, social and mental well-being. There is an emphasis on challenging students to go beyond viewing health as just “being free of disease”. The main focus of this class is to promote prevention of physical, social and mental problems so that “Quality of Life” can be optimized.

**Course Title: Personal Health and Wellness**

Credit ½

Prerequisite: Health

The purpose of this course is to improve student awareness concerning those issues governing our health. This course will isolate some of the most confusing health-related problems and provide data and facts to help students to make decisions that will optimize their personal health. Topics include healthy relationships, tobacco use, alcohol, nutrition, fitness, disease and managing stress. Dual-credit is offered in conjunction with TC3.

**Course Title: Responding to Emergencies**

Credit ½

Prerequisite: Health

This fun and active class will teach you what to do in an emergency before medical help arrives. This course will prepare you to make appropriate decisions regarding first aid care and to act on those decisions. After completing the class students will be certified by the American Red Cross in CPR, AED, and First Aid. Dual credit is offered in conjunction with TC3.

## Math

**Course Title: Algebra I CC**

Credit: 1

Prerequisite: Successful completion of Math 8 or Pre-Algebra

This course leads to the mandated Algebra I Regents Exam. Topics include linear, quadratic, and exponential functions, solving equations and inequalities, and statistics, as outlined in the NYS Common Core standards. Algebra Regents exam in June.

**Course Title: Geometry CC**

Credit: 1

Prerequisite: Successful completion of Algebra I CC and Algebra I regents

This course is the second of three leading to a Regents Diploma with Advanced Designation. Topics of study include Euclidean geometry (including an emphasis on formal proof), trigonometry, analytic geometry, transformations and additional topics as outlined in the New York State Common Core standards. Geometry Regents Exam in June.

**Course Title: Geometry CC (Honors)**

Credit: 1

Prerequisite: teacher recommendation for 9<sup>th</sup> grade accelerated students

This course, for students enrolled in the Honors sequence, is the second of three leading to a Regents diploma with Advanced Designation. The course includes all the topics of study in Geometry Regents and additional topics for enrichment. Geometry Regents Exam in June.

**Course Title: Local Geometry**

Credit: 1

Prerequisite- students who passed the Algebra I class but failed the regents

This course is for students who have not passed the Algebra I Regents exam but passed the Algebra I class and need additional math support to pass the Algebra I regents. Topics include linear, quadratic, and exponential functions, solving equations and inequalities, and statistics, as outlined in the NYS Common Core standards. Students will be taking the Algebra I regents in January. During the second semester, students will be introduced basic geometry skills and their applications to real-life situations. Local final or project in June.

**Course Title: Algebra II CC/ Trigonometry**

Credit: 1

Prerequisite: successful completion of Geometry CC/ Geometry CC Honors

This course is the third of three leading to a Regents diploma with Advanced Designation. This is a fast-paced, rigorous course and the level of abstraction required is much higher than that of previous math courses. Topics of study include algebra, rational expressions, complex numbers, functions, trigonometry, logarithms, probability, statistics, series and sequences. Regents in June.

**Course Title: College Statistics**

Credit: 1

Prerequisite(s): Geometry or Algebra II

This is a general introductory course that will give each student knowledge of statistics through descriptive and inferential concepts. Each student will be exposed to real-world applications in many fields. Some of the topics that will be covered in the twenty weeks are: graphic presentation of data, measures of central tendency, measures of dispersion, art of deception, bivariate data, linear correlation and regression, probability concepts and distributions, sample variability hypothesis testing, and making inference on one and two populations. Students successfully completing this course will earn both high school and college credit. Class enrollment needs to be with teacher recommendation. Dual-credit is offered in conjunction with TC3. 3 credits

**Course Title: Pre-calculus**

Credit 1

Prerequisite(s): Successful completion of Algebra II/Trigonometry Course and Regents Exam

This course is a continuation of topics from all previous math courses and provides the algebraic foundation for students intending to take a Calculus course. Topics include linear and quadratic equations, absolute value, inverse and composite functions, exponential and logarithmic functions, analytic geometry, and trigonometry.. Class enrollment is dependent upon teacher recommendation. Dual-credit is offered in conjunction with TC3 for two separate College Courses: Math 120 College Algebra and Math 138 Precalculus. 8 total credits.

**Course Title: TC3 Calculus**

Credit: 1

Prerequisite(s): Successful Pre-Calculus course completion

Calculus I is a college course that is a necessary prerequisite for many professional fields such as Science, Math, Technology and Engineering. Students enrolling in Calculus need to possess a strong math background to successfully access the content and concepts of the course. Students will strengthen quantitative skills and build a firm foundation in calculus. Topics included are Limits, Differentiation, Integration and Applications of Calculus. Class enrollment is dependent upon teacher recommendation. This course is taken for math credit

and college credit through TC3. Students have the option to take the AP Calculus exam in May, for which voluntary review classes will be offered.

**Course Title: Business Math**

Credit: 1

Prerequisite(s): Integrated Algebra

The course is designed to develop a thorough understanding and mastery of the arithmetic processes of business with an emphasis on the application of principles to typical business problems. Topics included are: Solving for Unknowns, Percents, Discounts, Markups and Markdowns, Payroll, Simple and Compound Interest, Credit Cards, Home Ownership, Depreciation, Inventory, Stocks, Bonds and Mutual Funds. Business Math is a fourth year offering for seniors who have completed a sequence in applied math. This course addresses finance at a personal and practical level. Students examine current economic conditions focusing on how they can impact their personal economic situations. Ethics, personal management of cash, debt, credit, investments, insurance, and home buying are examined. Dual-credit is offered in conjunction with TC3. BAUD 109. 3 credits

**Course Title: College Prep Math**

Credit: 1

Prerequisite(s): completion of three years of Math

This course will prepare students for college entrance exams as well as improve their problem solving abilities. Students will receive one high school Mathematics credit upon successful completion of the course. The course will include but not limited to the following units of content: Basic Operations and Applications: Number Concepts and Properties; Expressions, Equations, and Inequalities; Functions; Graphs and Measurement; Probability, Statistics, and Data Analysis. Course content may be adjusted to student's needs.

## Music

**Course Title: Senior High School Band**

Credit: ½

The Instrumental program is intended to further develop students' individual and group skills in music instruction. Performances as large groups, small ensembles and solos are part of the performance opportunities offered. The concert band performs music that will challenge and expose students to a variety of styles and genres.

**Course Title: Senior High Jazz Band**

Credit: ½

**Prerequisite(s): Instrumental type is a consideration – permission by the instructor prior to registration in this course.**

The Jazz Ensemble introduces students to a progressive and modern level of music devoted to Latin, jazz, rock styles. Students will be encouraged to explore improvisation skills in this ensemble setting.



**Course Title: Senior High Chorus**

Credit: ½

The general purpose of the senior high chorus is to further a love of singing in a choral setting by performing a wide variety of quality vocal music covering all musical styles.

**Course Title: Senior High Vocal Jazz Ensemble**

Credit: ½

**Prerequisite(s): Permission by the teacher required prior to registration.**

Students will gain experience with a variety of styles ranging from pop standards to swing, etc. Members will work on improvisational skills.

## **Physical Education**

**Course Title: Physical Education for Grades 9 – 12**

Prerequisite(s): None

Credit: ½

For all students in grades 9 – 12. Designed to improve physical fitness at all levels, it includes general education in a variety of sports, games and activities involving group and individual participation.

## **Science**

### **A NOTE REGARDING SCIENCE COURSE REQUIREMENTS:**

**Students will need to complete three credits in science. Two of these credits must include Living Environment and one from Earth Science, Chemistry, or Physics. Students must also pass one Regents examination or approved alternative for a Regents Diploma. Regents Exam scores of 65 or higher are required in Living Environment, plus two additional exams from any combination of Earth Science, Chemistry or Physics are required for the Advanced Diploma with Distinction.**

**All core-based courses (Earth Science, Living Environment, Chemistry and Physics) require a minimum of 1200 minutes of laboratory time with satisfactory lab reports prior to entry into any part of a State Regents examination in science.**

**Course Title: Regents Earth Science**

Prerequisite(s): None

Credit: 1

Regent's Earth Science is a full-year laboratory course. Generally, 9<sup>th</sup> grade students register for this course. Astronomy, geology, oceanography, and meteorology are studied. It is recommended that students complete the Physical Settings portion of the graduation requirement with the Earth Science Regents exam.

**Course Title: Regents Living Environment**

Prerequisite(s): None

Credit: 1

This is a full year laboratory based course that is required for graduation. The topics that are covered include: **evolution, cell structure and function, maintaining homeostasis, human biology, reproduction and heredity, ecology, biotechnology and environmental issues.** Laboratory skills that include the application of the scientific methods and the application of laboratory techniques and procedures, including **dissection**, will be emphasized in this course.

**Course Title: Regents Chemistry**

Prerequisite(s): None

Credit: 1

Regents Chemistry is an introduction to the serious study of chemistry. Technical language is utilized throughout the course, as are quantitative methods of interpretation of information. The topics covered include: the study of matter, atoms, chemical bonding, periodicity, stoichiometry, moles, kinetics, redox reactions, acid-base chemistry, organic chemistry, and nuclear chemistry. **The course integrates a high deal of mathematical concepts, and successful completion of Algebra I, as well as Earth Science and Biology is recommended.** Laboratory skills that include the application of the scientific method and the application of laboratory techniques and procedures will be emphasized in this course.

**Course Title: Regents Physics\***

Credit: 1

Prerequisite(s): Algebra II/Trigonometry or teacher approval

Minimal skills needed for successful completion of this course include: good quantitative skills for solving problems, training in both algebra and trigonometry, ability to read and interpret mathematical problems given in words rather than symbols, and the will to strengthen skills in both disciplines. This course covers the NYS Regents curriculum. The student completing this course should be able to understand the terms and concepts of the topics covered, solve quantitative problems of moderate difficulty, manipulate and comprehend data using quantitative, estimation, graphical and error analysis and using the measuring tools and devices of a physics laboratory in prescribed as well as inventive modes for studying physical concepts. Classes will be conducted in several formats. Interactive lecture, discussion sessions, problem solving sessions, laboratory exercises, student assisted demonstrations, and individual help sessions. This is a dual credit course with TC3.

**Course Title: Bioethics**

Credit: 1

Prerequisite: Successful completion of 3 science credits and senior standing or teacher approval

Bioethics is the field of study concerned with ethics and philosophical implications for certain biological and medical procedures. We will look into the details and ethical dilemmas produced by the newest medical technologies and treatments. Genetic engineering, care of the terminally ill, physician assisted suicide, stem cell therapies, cloning, and therapeutic cloning are all topics that will be covered. Additional topics will include hunting, overhunting, and trophy hunting, animal testing in medicine, historical bioethics challenges like abortion, contraception, eugenics, and medical experimentation on mental patients and convicted criminals.

**Course Title: Zoology I (Fall Semester)**  
**Course Title: Zoology II (Spring Semester) \*\***

Credit: ½

Credit: ½

Prerequisite(s): Living Environment

This laboratory course will emphasize the concepts learned in biology as they pertain to animal life. This course will focus on anatomical and morphological differences between animals. **The collection and examination of animal specimens as well as the dissection of animals is a requirement of the course as it is essential to the comparative study of anatomy.** Concepts in animal behavior, ecology, embryology, and genetics will be integrated into the course. The first semester will emphasize behavior and morphology. The second semester will look closer at classification and the identification of various animal groups based on morphology with **heavy emphasis on dissection.** An independent project (first semester) with an examination (second semester) will be used for the final examination scores for the classes.

**This course WILL be offered in the 2019-20 school year and is NOT anticipated being offered for the 2020-2021 school year.**

**Course Title: Environmental Conservation I (Fall Semester)**  
**Course Title: Environmental Conservation II (Spring Semester) \*\***

Credit: ½

Credit: ½

Prerequisite(s): Living Environment and Earth Science

Environmental science is a laboratory course will identify and analyze environmental problems both natural and human made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. This section of environmental science will integrate key concepts of physics, chemistry, biology, and Earth science with the social sciences (conservation, demography, economics, politics, and ethics). The first semester will emphasize the role of the social sciences and understanding the parts of our environment. The second semester will look closer at environmental issues facing resources and ways at attaining ecological sustainability. Independent projects will be in lieu of final exams at the end of each semester.

**This course WILL NOT be offered in the 2019-20 school year and is anticipated to be the science elective for the 2020-2021 school year.**

\*\* Students enrolling for only the spring semester of the science electives need to get instructor permission for enrollment. And realize because they are entering midway through a curriculum, may need to do additional outside class work to get caught up.

## Social Studies

**Course Title: Global History I**

Credit: 1

Grade 9 begins with the Paleolithic Era and the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of trade networks and their global impact. The course emphasizes the key themes of interactions over time, shifts in political power, and the role of belief systems.

**Course Title: Global History II**

Credit: 1

Prerequisite: Global History I

Grade 10 provides a snapshot of the world circa 1750. The course continues chronologically up to the present. Several concepts are woven throughout the course including industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. The last three Key Ideas focus on global issues, applying a more thematic approach. Students will take the Regents Global History Exam at the end of the year. Successful completion of this course is a graduation requirement.

**Course Title: Global History II Honors**

Credit: 1

Prerequisite: Global History I and teacher recommendation

Students will study the same curriculum as regular Global II. In this advanced section, students will be required to complete Honors projects that will go beyond the general understanding of the Global History curriculum. Students should have strong reading and writing skills. Successful completion of this Global History II is a graduation requirement. Students will also need to take the Global History Regents Exam.

**Course Title: American History**

Credit: 1

Prerequisites: Global History I &amp; II

This is a survey of U.S. History with concentration on the birth of our nation and the Civil War to the present. It is intended for high school juniors. Students will take the Regents exam in American History at the end of the year.

**Course Title: TC3 American History**

Credit: 1

Prerequisites: Global History I/II and teacher recommendation. An average of 88 or higher in Global Studies II and a score of 85 or higher on the Global Regents exam.

TC3 American History incorporates all aspects of the Regents-based curriculum at a greater depth. Students are still responsible for taking the Regents exam in June as part of their graduation requirement. This course is designed to provide a learning experience equivalent to that of an introductory college course. Students will acquire analytic skills and factual knowledge necessary to deal critically with topics pertaining to U.S. History. Students in this course have the opportunity to acquire TC3 credit. TC3 Exams will be given at the conclusion of each semester. Students have the option to take the AP American History exam in May. There is an increased workload and expectation for college readiness for students in this class.

**Course Title: Participation in Government**

Credit: ½

Prerequisite: Senior standing

Participation in Government is a half-year, 12<sup>th</sup> grade Social Studies course **required for graduation**. This course will serve as an insight to the government and create a group of informed citizens as they enter the real world. This course will discuss the basics of the Constitution, but then branch out to look at different hot topics in government. Students will be able to research a number of governmental topics, gain insight on how the government handles these issues/topics, and form an opinion based on their research.

**Course Title: Global Humanism**

Credit: ½

This course will explore Gordon Allport’s theory of “The Ladder of Prejudice” (LOP). Some students may be familiar with LOP references while studying the Holocaust. We will be looking at the LOP and how it relates not only to Jews, but also the American Indian, African Americans, the genocide in Rwanda, apartheid in South Africa, the Armenians, and the experience of the Chinese in 19<sup>th</sup> century America.

Throughout the semester we will be engaged in research, power point, short video lessons, and classroom discussion. Writing requirements for the semester will include two essays, a document based question (DBQ), and a thematic final essay.

## **Technology**

**Course Title: Drawing and Design for Production I/Wood Tech I**

Credit: 1

Prerequisite(s): Willingness to work safely and cooperatively – freshmen and older

This course focuses on creative design development to solve problems in engineering. It is an essential course for all students interested in engineering, technical construction, mechanics and related fields. Students learn basic drawing skills, one and two-view drawings, orthographic projection, dimensioning, and freehand sketching in multiple views. Prototypes and mock ups of original designs are created by the student. Students will be introduced to hand and power tools to build designs.

**Course Title: Energy, Power, and Transportation**

Credit: 1

Designed for an introductory course in transportation, Exploring Transportation covers all of the technologies used to relocate people or goods. Information on the International Space Station, and coverage of electric and alternative fuel vehicles, is included. A major part of the course will be application of math and science concepts and how they apply to the transportation field. The course also covers different topics of transportation past, present, and future. This full year course will be limited to one section of 15 students.

**Course Title: Basic Electricity**

Credit: 1

Prerequisite(s): Algebra I

Student will learn electrical theory and fundamentals in both AC and DC electricity. They will gain knowledge in solid-state devices and soldering techniques that apply to solid-state devices.

This course may serve as a third local credit of math or science.

**Course Title: Automotive Systems**

Credit: 2

Prerequisite(s): Transportation and/or Small Engines. Sophomore, Junior, or Senior status

Automotive Systems is for those students who own cars or will be purchasing one in the near future. Students will gain a basic knowledge of vehicle operations and how to maintain vehicles to insure a safe and long

ownership. It is also for those students who wish to explore automotive technology as a possible profession. It will cover in depth all of areas that make a vehicle function.

**This course will be blocked daily as a two credit course.**

**Course Title: Advanced Automotive Systems**

Credit: 1

Prerequisites: Automotive Systems and Junior or Senior status

Students in this course will continue to enhance knowledge and skills developed in the Automotive Systems course.

**Course Title: Computer Aided Drawing (CAD)**

Credit: ½

Prerequisite(s): Technical Drawing

An introduction to computer aided drawing using AutoCAD 2018 software. This software is the industry standard for making engineering drawings, and is what is being used by most colleges in trade/engineering curriculums. Any student interested in the trades, engineering or architecture this course would be very valuable.

**Course Title: Surveying**

Credit: ½

Prerequisite(s): Technical Drawing

An introduction to land and construction surveys for grades 10, 11, and 12.

**Course Title: Small Engines**

Credit: ½

Prerequisite(s): None

Basic principles of internal combustion, trouble shooting and repair will be covered in this course. Small Engines is a half-credit course which may be used towards a five-credit technology sequence.

**Course Title: Wood Products and Processing**

Credit: 1

Prerequisite(s): DDP I, Willingness to work safely and cooperatively -- Sophomore or older

This course is an introduction to the wood industry. An overview of the products, processes, structure and organization including solid wood, sheet goods and engineered wood products used in industry will be given. An introduction to furniture/cabinet layout, construction and the safe use of wood processing machines and tools will be covered.

**Course Title: Residential Building and Maintenance\***

Credit: 1

Prerequisite(s): DDP

This course will explore the basic skills and knowledge that someone would find useful as a homeowner or someone interested in a career in the skilled trades. Topics covered will include (but not limited to) carpentry, basic home wiring, building materials, plumbing, drywall, roofing, insulating, masonry and hand/power tool operation. The purchase of a home will most likely be one of the biggest investments you make someday. This

course will be a huge benefit when it comes time to look at homes, make repairs, hire someone to do work for you and to just make wiser decisions in regards to your home in general.

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Technical Drawing\***

Credit: ½

Prerequisite(s): None

For grades 9 - 12, this course is an introduction to measured drawings as the primary method to communicate ideas in the manufacturing and construction fields. It is an introduction to “graphical” problem-solving techniques.

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Architectural Drawing\***

Credit: ½

Prerequisite(s): Tech Drawing

Students will gain an awareness of basic architecture. Students will learn how to identify the basic components of a residential structure and will design and draw a residential structure.

**\*This course will not be offered in the 2019-20 school year.**

**Course Title: Digital Electronics\***

Credit: 1

Prerequisite(s): Algebra I

Digital electronics is the foundation of digital computers and many automated control systems. In a modern home, digital circuitry controls the appliances alarm systems, and heating systems. Under control of digital circuitry and microprocessors, newer automobiles have added safety features, are more energy efficient and are easier to diagnose and correct when malfunctions arise.

This course is an introduction to digital electronic signals and combination logic circuits. Basic logic circuits will be designed and simplified using Boolean algebra and CPLD design software. Arithmetic circuits and data conversion integrated circuits are also covered. Practical design and trouble shooting is stressed. This course provides the fundamental knowledge for continued study in sequential digital circuitry and microprocessors.

This course may serve as a third local credit of math.

**\*This course will not be offered in the 2019-20 school year.**

## **CAREER AND TECH CENTER** **COURSE GUIDE**

Animal Science	1 or 2 years
Auto Body	1 or 2 years
Auto Technology	1 or 2 years
Computer Tech/Cybersecurity	1 or 2 years
Cosmetology	1 or 2 years
Criminal Justice	1 or 2 years
Culinary Arts	1 or 2 years
Digital Media Technology	1 or 2 years
Early Childhood	1 or 2 years
Heavy Equipment	1 or 2 years
Nurse Assisting & Health Occ	1 or 2 years
Sports Cond & Exercise Sci	1 or 2 years
Welding	1 or 2 years

Course offerings are subject to change by the Career and Tech Center. Students receive 3 – 4 credits for each year of their Career and Tech Program.

## **CAREER AND TECH PROGRAMS**

Career and Tech Center (607) 257-1551

Director: Ms. Cindy Walter

Principal: Mr. Jeffrey Podolak

Career and Tech Programs instruct students in a variety of technical areas, preparing them for entering the work force with a marketable skill and for continuing on to higher education. Classes are conducted at the Career and Tech Center on Warren Road in Ithaca. These programs are taught for a minimum of 2 hours during the AM or PM session each day, and all courses provide an internship experience over the course of the their completed curriculum. Bus transportation is provided daily to and from the Career and Tech Center. Students continue their major academic subjects in the remaining three or four periods at the home school district. Courses may yield three or four credits, depending on individual students' situations.

All Career and Tech classes are currently New York State approved. To be approved, courses must meet rigorous guidelines related to assessment, an academically strong curriculum that is aligned with the New York State Learning Standards, and relevance to industry practices. Most Career and Tech courses offer integrated math and

science credit, and some classes offer Concurrent Enrollment college credit through Tompkins Cortland CC (which is listed in the course descriptions.) All Career and Tech Programs have at least one articulation agreement with colleges that have a related program.

For more information on Career and Tech Programs, visit <http://tstboces.org/cte>

### **ANIMAL SCIENCE**

**1<sup>st</sup> Year – PM Session**

**2<sup>nd</sup> Year – AM Session**

**Course Description:** This program prepares students for a wide range of careers related to animal/veterinary science. Topics of study include: nutrition, reproduction, parasitology, handling and restraint, care and management, medical terminology, anatomy and physiology, physical examinations, common diseases and disorders, clinical procedures, surgical nursing, and office management skills. The areas of study will focus on companion and production animals. First year students will work with a variety of species housed on campus to enhance their skill in animal handling, caring and managing. Second year students will learn how to perform clinical procedures commonly performed within the veterinary industry, along with gaining further experiences through internships. First and second year students will operate and manage a grooming clinic to gain additional experience working with companion animals.

**Integrated Academic Credits Available:** 1 credit of Math and 1 credit of Regents Chemistry over the course of the two year curriculum. Students who meet the mandatory lab requirements to take the NYS Regents Exam in Chemistry will take the test at their home school in June of their first year of Animal Science.

**Required Materials:** Students will need to purchase scrubs and safety glasses for this course – estimated cost is \$20.00.

**Can Lead To:** Students may pursue post-secondary education in Veterinary Science, Animal Science and/or related fields. Career opportunities include: Veterinary Assistant, Animal Laboratory Assistant, Pet Groomer, Animal Shelter Worker, Pet Salesperson, Farm Owner/Herdsman.

### **AUTO BODY**

**1<sup>st</sup> Year – PM Session**

**2<sup>nd</sup> Year – AM Session**

**Course Description:** This program focuses on collision repair skills for national certification. Practical experience is acquired by working on customers' cars. Students learn the use of hand, power and special auto body tools and equipment. Topic areas include: collision and auto body repair, auto refinishing and replacement of parts and sections of panels. Welding skills are emphasized. In addition, opportunities are available to create customized paint graphics, airbrushing, and restoration work on high performance and show quality vehicles.

**Integrated Academic Credits Available:** 1 credit of Math and 1 credit of Science over the course of the two year curriculum.



**Required Materials:** Students will need to purchase work boots, work clothes, and safety glasses for this course – estimated cost is \$50.00.

**Can Lead To:** Students may pursue entry-level work as a body shop assistant, painter, sander, polisher or pursue self-employment as a shop owner. Two-year college or technical degree in Auto Body Technology can lead to: collision service worker, welder, insurance adjuster, parts manager or automobile painter.

### AUTO TECHNOLOGY

1<sup>st</sup> Year – PM Session

2<sup>nd</sup> Year – AM Session

**Course Description:** This is a nationally certified automotive program (NATEF). Students learn to repair foreign and domestic cars and light trucks using the latest techniques and computerized diagnostic equipment. Successful graduates are eligible to take the certification examinations offered by Automotive Service Excellence (ASE) and the New York State Department of Motor Vehicles Inspector License Examination. Throughout the two-year program, students gain daily practical experience working on vehicles donated by major auto manufacturers and/or customers' cars. Students who qualify may be eligible for an internship experience at local repair facilities.

**Integrated Academic Credits Available:** 1 credit of Math and 1 credit of Science over the course of the two year curriculum.

**Required Materials:** Students will need to purchase work boots, work clothes, and safety glasses for this course – estimated cost is \$100.00.

**Can Lead To:** Students may be eligible for entry-level employment in a new or used car dealership, independent auto business, or auto parts sales industry. Post-secondary opportunities include a two- or four-year degree in Auto Technology or specialized training at technical schools.

### COMPUTER TECHNOLOGY/CYBERSECURITY

1<sup>st</sup> Year – PM Session

2<sup>nd</sup> Year – AM Session

**Course Description:** Students will learn how to protect computer systems, networks, and programs from digital attacks. Some of the hands on activities first year students will perform include: identifying and assembling PC hardware, collecting and analyzing data, and installing and configuring operating systems (Windows and Linux.) In the second year, students will learn how to identify security attacks and apply countermeasures, design and configure wired and wireless networks, practice programming and ethical hacking, and learn programming and scripting basics (Bash, Powershell, Cisco IOS, Python.) There is a strong emphasis on student voice and choice, inquiry based learning, and problem solving in this course. Students do not need any previous computer background for this program. Those with previous knowledge and experience in technology will be able to move ahead quickly. **This course offers Concurrent Enrollment credit through Tompkins Cortland CC.**

**Integrated Academic Credits Available:** 1 credit of Math and 1 credit of Science over the course of the two year curriculum.

**Required Materials:** Students do not need to purchase extra supplies for this course.

**Can Lead To:** Students may be eligible to take several industry certifications include: CompTia IT Fundamentals, A+, Net+ or Security+. This program prepares students to pursue two or four year degrees in Information Systems and Cybersecurity with potential careers, including: IT Technical Support, Network Support Technician, Cybersecurity Specialist, and Programmer.

### COSMETOLOGY

1<sup>st</sup> Year – PM Session

2<sup>nd</sup> Year – AM Session

**Course Description:** The Cosmetology program provides training in hair, skin and nail analysis. Product knowledge and technical application and procedures are taught in the areas of styling, shaping, coloring, hair restructuring, and massage. This program offers students the unique opportunity to develop and practice their skills during a regular weekly clinic where the public is invited to make appointments for beauty services. This program prepares students for careers in Cosmetology. Satisfactory completion of the program and its 1,000 hours of instruction are required for a student to be eligible to take the NYS licensing exams, which will make students eligible to receive a temporary license.

**Integrated Academic Credits Available:** 1 credit of Math and 1 credit of Science over the course of the two year curriculum.

**Required Materials:** First year students will need to purchase a kit that includes: mannequin, smock, and hair supplies – total cost of the kit is \$190.00. Second year students must buy a senior kit – total cost is \$90.00. Close toe shoes are required footwear for this course. Fundraising opportunities are available for students to offset required materials for this course.

**Can Lead To:** Students who have completed the course requirements and who have passed the NYS Licensing test may become a hair stylist, color and nail technician, salon owner or manager. Many students pursue post-secondary education in the areas of business or entrepreneurial studies.

### CRIMINAL JUSTICE

1<sup>st</sup> Year – PM Session

2<sup>nd</sup> Year – AM Session

**Course Description:** The first year of academic instruction focuses on criminal and civil law, vehicle and traffic law, arrest and court procedures, report writing and communication skills. Additional areas include: interviewing skills, patrol techniques, self-defense, security, fingerprinting, civil rights, applied math, and internet research. Class time is split between lecture and class discussions, team-based lab work, and hands-on field activities, which include: physical activities, field trips, and interaction with special guests. The second year will be more career-centered, with a focus on: patrolling, criminal

investigation, and police-community relations. Topics included in the second year are: forensics, accident and crime scene illustration, digital photography, life skills, and applied science, professional and career development.

**Integrated Academic Credits Available:** 1 credit of Math and 1 credit of Science over the course of the two year curriculum.

**Required Materials:** Students will need to purchase a Criminal Justice uniform for this course – estimated cost is \$75.00.

**Can Lead To:** This program of study prepares students for college, military service, or direct employment in law enforcement or security fields. Students pursue secondary education at two- and four-year colleges in the areas of criminal justice, political science or related fields.

### **CULINARY ARTS**

**1<sup>st</sup> Year – PM Session**

**2<sup>nd</sup> Year – AM Session**

**Course Description:** In the first year, students will learn the fundamentals of safety and sanitation, equipment operation, as well as how to prepare both short order and quantity cooking. Breads, pastries, entrees, and soups are included in menus selected and prepared by students. There is a great deal of emphasis on building social skills, working as team members, following directions, and exhibiting positive work attitudes. Second-year students are responsible for the complete operation of the *Horizon Café*, the on-campus restaurant. In addition, students will manage on-campus catering services, create baked goods for the Snack Shack, and design cakes for sales to students and staff. Capable students may also do internships in culinary arts-related businesses. Students in both years of the program will participate in college visitations and learn techniques from guest chefs. All students exit the program with an updated resume, which includes practical work experience through the *Horizon Café*. **This course offers Concurrent Enrollment credit through Tompkins Cortland CC, along with the potential to earn an industry certification in Serve Safe.**

**Integrated Academic Credits Available:** 1 credit of Math and 1 credit of Science over the course of the two year curriculum.

**Required Materials:** Students will need to purchase a Culinary Arts uniform for this course – estimated cost is \$50.00.

**Can Lead To:** This course prepares students for entry-level positions in the hospitality industry. Students may pursue a two- or four-year college degree program in hospitality/restaurant management, culinary arts, pastry chef or related field.

### **DIGITAL MEDIA TECHNOLOGY**

**1<sup>st</sup> Year – PM Session**

**2<sup>nd</sup> Year – AM Session**

**Course Description:** Students will experience an overview of graphic design, video production, game design, and animation. Initially, students will develop their digital photography skills designing

business-oriented media. Both raster and vector-based design software will be utilized to provide creative, practical solutions to graphic design challenges. Students often work on community design projects. Then, moving quickly from simple digital video creation to complex movie production, students will explore all phases of the production cycle using the Adobe Creative Cloud suite as well as open source software. Building on this foundation and working with industry standard software and hardware, students will investigate both 2D and 3D animation techniques with a focus on storytelling and video game design. Students will create both complex animations and working video games using a variety of tools, including Adobe Animate, Autodesk 3dsMax, GameMaker Studio, Unreal Engine, Blender and Dragonframe. Throughout this course, there is a strong emphasis on problem-solving, effective time management, and working both in teams and independently. **This course offers Concurrent Enrollment credit through Tompkins Cortland CC. Additionally, students have the opportunity to earn several industry certifications.**

**Integrated Academic Credits Available:** 1 credit of Art over the course of the two year curriculum.

**Required Materials:** Students do not need to purchase extra supplies for this course.

**Can Lead To:** Students can pursue post-secondary education at the two-year or four-year college level in a variety of disciplines including: Graphic Design, Communications, Game Design, New Media and Animation. Potential careers are: Graphic Designer, Multimedia Artist, Game Designer, Game Artist, UI/UX Designer, Production Assistant, Videographer, and Photographer.

### **EARLY CHILDHOOD**

**1<sup>st</sup> Year – PM Session**

**2<sup>nd</sup> Year – AM Session**

**Course Description:** Early Childhood education assists students who are interested in understanding the physical, social/emotional and intellectual development of children. Students learn about the characteristics and behavioral needs of three- and four-year-olds and learn how to care for them in a preschool setting three days a week. First-year students will design and implement lesson plans with the preschool students. Second-year students will gain hands-on experience through internships at local preschools, childcare centers and elementary schools. Good communication skills, both written and oral, are critical to success in this program, along with a genuine interest in working with children. **This course offers Concurrent Enrollment credit through Tompkins Cortland CC, along with Red Cross First Aid and CPR Certification.**

**Integrated Academic Credits Available:** Not applicable for this course. Students can enroll in Personal Money Management or Science if these credits are needed towards graduation.

**Required Materials:** Students must purchase a 3 ring binder and a 3x5 Recipe Box for this course – estimated cost is \$10.00.

**Can Lead To:** Students may pursue a two- or four-year college for Early Childhood and/or Elementary Education. This course also

provides entry-level skills to work as a nanny, preschool teacher aide, or day care provider. There is strong employment opportunity in the area.

### **HEAVY EQUIPMENT**

**1<sup>st</sup> Year – PM Session**

**2<sup>nd</sup> Year – AM Session**

**Course Description:** This program is designed to meet the growing demand for technicians and operators in the transportation, construction and agricultural fields. The course provides training in the diagnosis and repair of heavy equipment, farm machinery and heavy duty trucks. Students learn the principles of the diesel engine, drive train, brakes, suspension and steering, electrical systems, hydraulics, welding, and preventive maintenance. Students receive classroom instruction that they will apply to hands-on lab work in the shop or outdoors. Specialty areas include maintenance and heavy equipment operation of tractors and diesel engines. Students who are interested in operating and maintaining equipment, landscaping and conservation should join this course. Select students have the opportunity to job-shadow and intern with professionals in the area.

**Integrated Academic Credits Available:** Not applicable for his course. Students can enroll in Personal Money Management or Science if these credits are needed towards graduation.

**Required Materials:** Students will need to purchase work boots, work clothes, and safety glasses for this course – estimated cost is \$100.00.

**Can Lead To:** This course prepares students for entry-level employment positions, such as: heavy equipment technician, truck technician, or equipment operator. Many students pursue a two- or four-year college to further their education in the heavy equipment and/or diesel technician field.

### **NURSE ASSISTING & HEALTH OCCUPATIONS**

**1<sup>st</sup> Year – PM Session**

**2<sup>nd</sup> Year – AM Session**

**Course Description:** For students interested in the health care field as a supportive caregiver, these classes offer training for patient care in nursing homes, hospitals, and private homes. Students will participate in a supervised clinical experience to provide textbook learning and practical application. Students perform personal care procedures such as: bathing, dressing and feeding patients, and assisting them with mobility using crutches, canes, walkers and wheelchairs. In addition, they learn how to take vital signs and perform First Aid and CPR. All students must complete a physical exam and be updated on their immunizations to enroll in this program, and they must purchase uniforms, white shoes, and a watch. *At the end of the two-year curriculum, students can take the NYS certification exam to be a licensed certified nursing assistant, plus attain a home health aide and phlebotomy certification.* **This course offers Concurrent Enrollment credit through Tompkins Cortland CC, along with Red Cross First Aid and CPR Certification.**

**Integrated Academic Credits Available:** 1 credit of Math, 1 credit of Science and ½ credit of Health over the course of the two year curriculum.

**Required Materials:** Students will need to purchase scrubs, shoes, and a watch for this course – estimated cost is \$50.00. Students must have required immunizations, including a flu vaccine and two PPD inoculations, in order to participate in the mandatory clinical rotations.

**Can Lead To:** This program prepares students for entry into the workforce. Many students pursue nursing or other health care-related majors at many two and/or four year colleges.

### **SPORTS CONDITIONING & EXERCISE SCIENCE**

**1<sup>st</sup> Year – PM Session**

**2<sup>nd</sup> Year – AM Session**

**Course Description:** This program explores the science of human health through studying the systemic effects of exercise and conditioning. Students will learn the parameters of fitness assessment and fitness training, including: resistance work, aerobic and anaerobic conditioning, body fat loss/musculoskeletal gain, flexibility and mobility, nutrition and more. The class requires participation in strength training and cardio-conditioning on site and off. The course will provide an overview of post-secondary degrees and professional certifications available in the sport, recreation and health related fields through college visits, professional presentations, career web explorations, and internships. Students will design, implement, modify, track and update personal fitness training programs based on individual needs and goals. Students will be eligible to take the certification exam required to become a personal trainer upon completion of this program. **This course offers Concurrent Enrollment credit through Tompkins Cortland CC, along with Red Cross First Aid and CPR Certification.**

**Integrated Academic Credits Available:** 1 credit of Math, 1 credit of Science, and 1 credit of Physical Education over the course of the two year curriculum.

**Required Materials:** Students must have athletic attire and sneakers, class trainer shirt, and First Aid/CPR/AED materials for this course – estimated cost is \$60.00.

**Can Lead To:** Students may pursue a two- or four-year college for a variety of sports/health related majors, including: recreational therapy, athletic training, sports management, physical therapy, coaching, etc.

### **WELDING**

**1<sup>st</sup> Year – PM Session**

**2<sup>nd</sup> Year – AM Session**

**Course Description:** Students will learn to manipulate metal using a variety of welding techniques including: welding and cutting, MIG, TIG, arc welding, and plasma cutting. Students will practice these methods on a variety of materials, and utilize the CNC Plasma Machine in order to design patterns for signs, etc. Once the techniques have been mastered, students will apply the skills to complete jobs ordered from

community members, create projects of their own, or perform metal sculpture.

**Integrated Academic Credits Available:** 1 credit of Math and 1 credit of Science over the course of the two year curriculum.

**Required Materials:** Students will need to purchase work boots, work clothes, and safety glasses for this course – estimated cost is \$100.00.

**Can Lead To:** Students may either pursue a one-year certification program, a two or four year degree in welding technology, or seek immediate employment in the welding field. With experience and further training, a student may become a new age blacksmith, metal sculptor, underwater welder or pipe welder. Possible employers include: bridge builders, machine tool shops, shipyards, military, aerospace industry, or fabricating/repair shops.

*In addition, the Career and Tech Center offers classes in Physical Education, Math and Science for those students who need to complete additional graduation requirements. A course description is listed below for each of these courses.*

### **PERSONAL MONEY MANAGEMENT**

**Offered during 1<sup>st</sup> year or 2<sup>nd</sup> year of CTE Program**

**Course Description:** Personal Money Management is designed to develop a thorough understanding and mastery of the arithmetic processes involved in financial literacy in order to help students plan and manage personal finances by making educated decisions about money. Students will examine current world economic conditions focusing on how these can impact their personal economic situations and learn how to apply mathematical principals to financial matters. Topics include: percents, budgeting, earning income and paying taxes, simple and compound interest, credit cards and installment buying, home ownership, banking transactions, and other financial topics. **This course offers Concurrent Enrollment credit through Tompkins Cortland CC.**

**Note:** This course satisfies one (1) credit of Math towards graduation.

### **PHYSICAL EDUCATION**

**Offered during 1<sup>st</sup> year or 2<sup>nd</sup> year of CTE Program**

**Course Description:** This course will focus on team and individual sports, with a focus on life-long fitness. Students are required to wear sneakers for class.

**Note:** This course satisfies one-half (1/2) credit of Physical Education towards graduation.

### **SCIENCE**

**Offered during 1<sup>st</sup> year or 2<sup>nd</sup> year of CTE Program**

**Course Description:** This course provides students with authentic science that correlates with their Career and Tech Program. The class

is designed to reinforce and extend understanding of physical science and the scientific process by associating science and math principles and concepts with relevant applications of scientific investigation. The investigations explored are specifically related to the different technical fields offered through Career and Technical Education, with an additional focus on Physics, Chemistry, Biology and Physical Science.

**Note:** This course satisfies one (1) credit of Physical Science towards graduation.

## **NEW VISIONS PROGRAMS**

**Career and Tech Center (607) 257-1551**

**Director: Ms. Cindy Walter**

**Principal: Mr. Jeffrey Podolak**

New Visions is a full year program that offers seniors a non-traditional challenging senior year. Accepted students attend this full-day program (10:00am – 2:00pm daily) off-site at Cornell University or Cayuga Medical Center. Students are expected to be professional, courteous and to strictly adhere to the guidelines set by their teachers and mentors. Seniors receive high school credit for English 12 Honors, Government and Economics, as well as two electives, for a total of four credits towards graduation.

Acceptance into a New Visions Program is very competitive. The selection process is based on grades, recommendations, an interview and an essay, among other criteria. These programs are taught at the honors level, provide Concurrent Enrollment credit through Tompkins Cortland CC for the core academic program, and are personally and academically challenging. Students who enroll in the New Visions Programs intend to pursue a competitive college or university upon graduation.

**For more information on the New Visions Programs, visit <http://tstboces.org/newvisions>**

### **NEW VISIONS: HEALTH AND MEDICAL SCIENCES**

This program meets daily at the Cayuga Medical Center in Ithaca and allows high school seniors to explore a wide range of health professions through direct involvement with medical staff and patients. Tompkins Cortland CC *College Now* Anatomy and Physiology, are key health science modules integrated throughout the New Visions curriculum. Additionally, students learn the relevance of Government, Economics and English to this profession and return to class with real-life questions, dilemmas and a greater understanding of the role each student wants to fulfill as a future medical professional. The class work is demanding, but extremely rewarding. **This course offers Concurrent Enrollment credit through Tompkins Cortland CC.**

### **NEW VISIONS: LIFE SCIENCES**

This program meets daily at the Guterman Lab at Cornell University, and it allows high school seniors to explore veterinary medicine and/or applied scientific research in agriculture, food, and natural resources. Students will explore numerous career opportunities in the science of

agriculture, food and natural resources. Experiences include: horticulture, veterinary medicine, forestry, land and water conservation, outdoor education, agricultural business and fishery-wildlife management, biological engineering, and policy. The course is designed to attract students who are interested in sustainability, food security, animals, plants, lakes, rivers and streams, who like science and inquiry, and who are not afraid of working hard, both independently and with others, including professionals. Students will be exposed to a wide variety of experiences varying from field trips, guest speakers, job shadowing and career internships at Cornell University and within the community. **This course offers Concurrent Enrollment credit through Tompkins Cortland CC.**

### **NEW VISIONS: ENGINEERING**

This innovative and exciting course is located in Thurston Hall, allowing students a commanding view of the Cornell University Engineering Quad and the campus beyond. The curriculum is designed for high-achieving high school seniors who are interested in pursuing further education and a career in Engineering. To that end, students are actively engaged in engineering design challenges throughout the year that touch on every major branch of engineering, from mechanical and electrical, to genetic and chemical. Students will also be able to tour a wide variety of labs on campus, participate in field trips to engineering-related sites, work in an NSF funded lab called PARADIM that focuses on making new materials, and interact with professors and graduate students. The course includes a Concurrent Enrollment engineering track physics course, Honors English 12, Honors Participation in Government and Economics, and Engineer Your World, a program developed by University of Texas at Austin that includes college credit through that institution. Students should be prepared for rigorous and rewarding work. **This course offers Concurrent Enrollment credit through Tompkins Cortland CC.**

## **WORLD OF WORK PROGRAMS**

Career and Tech Center (607) 257-1551

Director: Ms. Cindy Walter

Principal: Mr. Jeffrey Podolak

The World of Work classes assist high school students with a variety of instructional needs. Classes promote self-esteem and positive socialization, as well as cognitive and motor skills development through a progressive curriculum. The classes integrate students into the most appropriate and least restrictive Career and Tech setting, offering instruction in both generic and job specific skills, which are important for competitive employment and independent living.

For more information on World of Work Programs, visit <http://tstbooces.org/cte>

## **CAREER EXPLORATION PROGRAM (Grades 11 & 12)**

**AM or PM Session**

The Career Exploration Program provides students with the opportunity to explore realistic career options available in our community. Generally, students who enroll in this program are nearing completion of their high school career, and this is typically the capstone course leading to entry-level work. Students will have the opportunity to participate in three non-paid internship experiences during the school year. These work experiences are based on the student's interests and abilities. Transportation is provided to and from the work site, and students are closely supervised by the teaching staff. Students work directly with a job-site mentor (an employee), learning general and technical job skills in the field. They receive a written work evaluation at the end of the rotating internship. During the theory part of the class, individual progress is closely monitored and instruction is given in job-related areas.

## **FOOD SERVICES (Grades 9 – 12)**

**AM or PM Session**

The Food Services Program is designed to introduce students to the multifaceted world of work. The curriculum develops a foundation of skills necessary to become an entry-level food service employee. A balance of theory and kitchen skills gives students real world experience. Students work in groups to learn to properly use culinary tools and equipment, and they are encouraged to develop and use their creativity in the selection and presentation of their recipe execution. Additional learning in retail sales reinforces student's interpersonal and job skills, and they explore related food service occupations. This class involves all participants to use their literacy, math and science skills as it relates to the culinary field.

## **OUTDOOR RECREATION SERVICES (Grades 9 – 12)**

**AM or PM Session**

Students in the Outdoor Recreation Services Program are exposed to a wide range of job skills and employability learning. The curriculum has a heavy emphasis on the repair and maintenance of small engine power equipment, including: ATV's, lawn mowers and chain saws. Students will also be working with aspects of traditional Agriculture Mechanics, such as: MIG Welding, basic framing, plumbing, wiring, and tractor operation and maintenance. Students will work on employability training skills, including: attendance, punctuality, hygiene, organization and efficiency, building confidence, taking responsibility and showing respect. The goal is to create a personal skill set for each student to help them maintain employment upon graduation.

## Dual Credit Classes At South Seneca

South Seneca maintains a current articulation agreement with Tompkins-Cortland Community College (TC3). This agreement enables high school students to concurrently earn high school and college credit at the same time. Credits earned through TC3 are transferrable to other institutions of higher learning. The following table outlines current dual credit course offerings at South Seneca:

	Course Title	TC3 Equivalent Code	Credit Hours
Business Department	College Success Seminar	ACAD 150	3
	Micro Computer Applications	CAPS 100/111/121	3
	Accounting	ACCT 101	4
	Web Page Design	CAPS 152	1
	Digital Media Production	COMM 145	1
	Intro to Programming	CSCI 160	3
Math Department	Pre Calculus	MATH 120/138	8
	Calculus	MATH 201	4
	Business Math	BUAD 109	3
	Statistics	MATH 200	3
Language Department	Spanish III	SPAN 102	3
	Spanish IV	SPAN 201/202	6
	Spanish V	SPAN 280/281	6
English Department	English 101/102	ENGL 101/102	6
Science Department	Physics	PHSC 104/105	8
History Department	TC3 American History	HSTY 201/202	6
Health Department	Responding to Emergencies	HLTH 205	3
	Wellness	HLTH 206	3

With proper planning, course selection, and work ethic, a South Seneca student can easily complete a semester's worth of college credit prior to graduation. Please review TC3's bulletin on further benefits from enrolling in these courses.







## **Middle School Instructional Program**

The Core curriculum is delivered in a team environment. Students are organized in self-contained “houses” and the team teachers teach only those students assigned to that team. Classrooms are in close proximity to one another which provides a sense of belonging and reduces the feeling of anonymity among students. Students move out of their “house” for encore subject areas only. Instructionally, teachers plan collaboratively as they continue their effort to integrate the New York State learning standards across the curriculum.

### **Core Course Focus:**

#### **Math:**

All Students are engaged in a standards focused math curriculum that includes mathematical analysis, scientific inquiry, and engineering design in an effort to develop questions, seek answers, and develop solutions to various problems.

#### **Science:**

All students are engaged in an applied science program which focuses on the State Learning Standards for science. The students will be able to use science labs as they strive to apply the knowledge of scientific concepts learned within the classroom setting.

#### **English Language Arts:**

All students are engaged in an English Language Arts program which focuses on the development and use of the following skills: reading, writing, listening, and speaking. Students also focus on these skills in all other subject areas as part of the curriculum integration design focus.

#### **Social Studies:**

All students are engaged in a social studies program which is focused on the State Learning Standards for social studies. Students are involved in developing an understanding of cultural influences that have shaped our society. Students will apply knowledge of various important documents in developing an understanding of their civic responsibilities.

#### **Exploratory:**

The exploratory curriculum is grounded in the Arts and Humanities. The focus is culturally rich and experiential in nature. The courses included in the Arts and Humanities curriculum include Art, Music, Technology Education, and Family and Consumer Science.

**Physical Education:**

All students are actively involved in a physical education program as mandated by New York State. The curriculum consists of various games, sportsmanship, and the importance of life-long wellness.

**Health Education:**

All students are required to complete a 20 week unit of Health Education by the end of 8<sup>th</sup> grade. Middle School Health Education is currently offered to all 6<sup>th</sup> and 8<sup>th</sup> grade students.

**Positive Youth Development:**

All Students are engaged in an integrated advisory program, Falcon Camp. The focus of the advisory is to establish student/teacher connections in a way that provides each child with an adult advocate in the educational setting. This program directly addresses the need to develop the whole child, which is a critical need for children at the middle level.

**Foreign Language:**

Spanish is the only foreign language offered in the middle school. Foreign language is a full year requirement in grades 7 and 8.

**State Assessments for Middle School Students:**

All students in grade 6, 7, and 8 are required to take state assessments in English Language Arts and Mathematics. Eighth grade students take state assessments in Science (performance and written). These assessments will determine the level of academic support your child is to receive as part of their High School program.

**High School Transition:**

The guidance counselors will make classroom visitations during March for current eighth grade students to plan their high school program. These visitations bring to focus new State Education assessments that all students are required to pass. Academic planning is extremely important as students' transition from eighth to ninth grade. Parents will be notified by mail of an information night to be scheduled sometime in the month of March. Attendance is strongly encouraged.

# **Graduation Requirements**

## **Awarding of Diplomas and Participation in Graduation Ceremony**

In order to participate in the graduation ceremony, the Building Principal must certify that the student has met the graduation requirements listed below:

The NYS Department of Education (SED) still mandates 22 units of credit to meet diploma requirements (see chart). There are currently no changes with respect to credit requirements.

SED has implemented two significant changes with respect to exam requirements for graduation.

1. The “4+1” pathway which still requires five exams to be completed. However, the American History or Global Studies exam (not both) may be substituted with an alternative exam (see #1 in notes). This would typically include a second math (Geometry) or science (Biology) exam.
2. SED is currently phasing in Common Core examinations as a substitute for the old Regents exams. The phase-in has begun with math exams and English (ELA). Grade levels affected by this transition are outlined in the accompanying chart.

The Local Diploma will still be awarded for students receiving special education services or students possessing a 504 accommodation plan where a low pass option is specified. In both cases a score of 55 is recognized as a passing score on all SED exams. Five exams are still mandated to meet graduation requirements. Other Safety Net options for special education students are outlined in the chart titled “Examination Requirements.”





All of the extensions listed below may be reached by dialing 869-9636

**South Seneca School District Administrative Directory**

Superintendent – Mr. Stephen Parker Zielinski - Ext 4147  
Elementary Principal – Mr. Adam Rundell – Ext 3105  
Elementary Dean of Students – Mr. Philip Marella – Ext. 3107  
Middle/High School Principal – Mr. Tim Houseknecht – Ext. 3101  
Middle/High School Asst. Principal- Mrs. Melissa Butler- Ext. 3112  
Middle/High School - Administrative Dean of Students and  
Director of Physical Education– Ms. Cathy Flanders - Ext. 3106  
Athletic Director – Mrs. Heather Mott – Ext. 4128  
CSE Chairperson – Ms. Stacey Clark- Ext. 4118

**School Counselors**

Mr. Kevin Webster – Ext. 4160  
(Grades K-5)  
Mrs. Jacqueline Bateman- Ext. 4105  
(Grades 6 – 8)  
Mr. Scott Anderson – Ext. 4101  
(Grades 9 – 12)

**School Psychologists**

Ms. Tamis Kaplan - Ext. 4140  
Ms. Michelle Cardoso - Ext. 4144

**Student Assistance Counselors**

Ms. Nicole Paonessa – Ext. 2144 or 4157

**School Social Worker**

Ms. Brooke Habberfield- Ext. 1122

**Board of Education**

President: Kathreen Lavarney  
Vice President: Peter Jennings  
Mary Church, Jodie Vanselow, Brenda Eastman,  
Melissa Laverack, Ralph Malvik

**Helpful Phone Numbers**

High School Nurse – Dena Ganoung, RN – Ext. 4102  
MS/HS Food Services Manager – Kathy Bishop – Ext. 4111  
Transportation – Lance Heitmann – Ext. 4135  
Librarian –Jody Gale – Ext. 4142