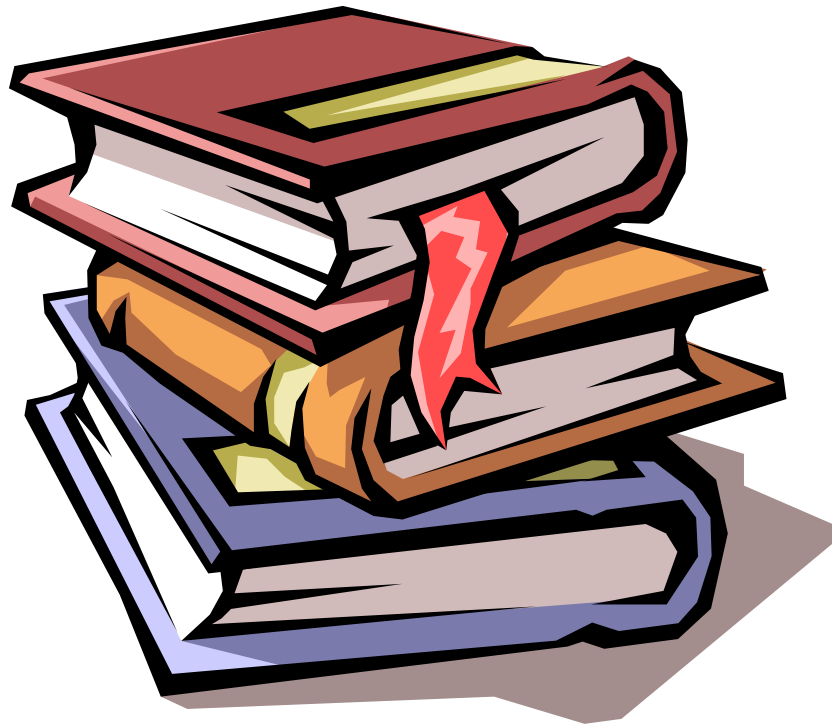


INDIAN LAKE CENTRAL SCHOOL



***COURSE DESCRIPTION
BOOKLET***

Updated April 2009

ART Electives

Studio Art

Studio in Art is a one-year foundation course for students new to Art classes in grades 9-12. It is designed not only for those who plan to elect further courses in Art but also for those who desire a broad background in visual Arts for general education. The Studio Art course in 2009-10 will cover skills such as painting, drawing, collage, ceramics, digital art and graphic design.

1 unit of credit

The following courses are taken as electives after the completion of studio art:

Drawing and Painting

Drawing and Painting is a one-year course for students in grades 9-12 who have completed Studio Art. The course is divided into two sections: the first section develops drawing and observation skills, the second covers painting with various media. Students will learn skills such as drawing from life, drawing three-dimensional forms, ink drawing, painting in oils, and painting in acrylics, and watercolors.

1 unit of credit

Digital Art & Design (with Photography)

Digital Art & Design can be taken as a full-year or half-year course, and is graphic design and photography-based. The course offers the acquisition of skills in digital media such as Photoshop and Publisher, as well as in photographic composition. Projects will include learning the techniques of good photography, making a film poster and CD cover, and the manipulation of images using the computer.

1 unit of credit

Advanced Drawing and Painting

Advanced Drawing and painting is designed for students who have completed Drawing and Painting and would like to continue to an advanced level. There is an emphasis on self-directed learning and advancement of previously learnt skills such as drawing skill or painting technique. Projects are flexible to the student's interests and will lead to a personalized portfolio of artwork. Themes are given for students to develop individually with their choice of medium.

1 unit of credit

History of Art in Practice

History of Art in practice teaches you about the history of world art from the 1800s through today through exciting art projects that cover many media, such as print, ceramics, paint, computer design, sculpture and photography. We will study artists such as Andy Warhol, Picasso and the Impressionists. This course can be taken as a full time or half time credit.

1 unit of credit

BUSINESS

Career and Financial Management - (Introduction to Occupations)

Introduction to Occupations is designed to give students the necessary skills and knowledge to survive not only in the working world, but also with everyday personal finance. The first module, Working Citizen, includes such topics as the job selection process, employment laws, employment expectations, resume writings, interviewing skills and career outlook/awareness. The second module, Personal Resource Management, includes budgeting, taxes, payroll, beginning economics, insurance (auto, housing, etc.), and credit.

$\frac{1}{2}$ unit of credit

Marketing (High School)

This course will allow students to explore past and current trends as well as predict future trends in our marketing systems. Students will study marketing research, promotion, personal selling, distribution, and retail operations.

1 unit of credit

Sports Marketing

This course will help students develop a thorough understanding of the marketing concepts and theories that apply to sports and sporting events. The areas this course will cover include basic marketing, promotions, sponsorship proposals, and implementation of sports marketing plans. The course will also look at promotion plans, sponsorship proposals, sports marketing plans and event evaluation and management techniques.

1 unit of credit

Personal Finance

This course teaches the fundamental of personal finance through the creation of a financial plan, management of personal finances, and reaching personal financial goals. Topics include the establishment of financial objectives (home ownership, education and mutual funds), retirement, and estate planning. The effective use of and management of credit is covered.

1 unit of credit

Small Business Management

Introduces the fundamentals of business management, raising capital, using business information, managing employees, and marketing products and services. This course is oriented towards principals needed to operate a small business and is designed for those who will eventually have their own business or those who desire to learn more about small businesses.

1 unit of credit

Accounting

This course encompasses the complete accounting cycle for a service business as well as a partnership and payroll and provides opportunities for incorporation of computer utilization into the instruction. It is designed to develop occupational competencies in bookkeeping. May be substituted for one unit in math after Math A Regents exam is passed.

1 unit of credit

Business Law

Offered on a rotating basis this course emphasizes the relationships of business law to an individual's personal life, as well as occupational life. Applications of the laws as they affect the individual are featured. Some topics include criminal law, credit, wills, insurance, and contracts. Credit for this course may be used as a fifth unit of social studies.

1 unit of credit

Business Communications

Listening, speaking, reading and writing skills are emphasized and developed within the context of business and industrial applications. The kinds of communications in today's business society, the language system and technical aspects of language are included. This course may be used as credit for the fourth unit of English, after the Regents E/LA has been successfully completed.

1 unit of credit

ENGLISH

English I

English I focuses on reading, writing, listening and speaking. The students are responsible for outside reading, the literature we study as a class and vocabulary acquisition. There is a great deal of writing with weekly journals and longer essays. In addition, the students do a research paper assignment in conjunction with Global Studies, study drama and do miscellaneous lessons on grammar and usage as needed.

1 unit of credit

English II

This 10th grade course is designed around world literature. The students read a variety of fiction and drama that fits in with the Global Studies curriculum. They write a research paper on a world topic, do weekly outside reading journals, and work to enhance their vocabulary. This is the year the students begin to prepare for the Comprehensive English examination.

1 unit of credit

English III

English III is a course in American literature. It follows a chronological path through American history starting with many of our founding documents. The students read novels, plays, and poetry; fulfill an outside reading requirement and focus on the type of writing they need to do for the Regents. The class reviews for the test throughout the year. In addition, the class does SAT preparation and vocabulary enrichment.

1 unit of credit

English IV

This fourth and final year of English does not have a state exam, so we have more flexibility. We do continue to read good books and increase our vocabulary. The literature is a nice balance of the modern and classic. In addition, the research project is directed at the college or career search.

1 unit of credit

AP English

Advanced Placement English is a course designed for the student with above average aptitude in English. In May, the students take a national standardized test. If a student achieves a 3, 4, or 5 on the exam, he/she may be entitled to college credit at most accredited colleges and universities. The requirements for the course are much the same as English IV except for stringent reading requirements from a classic list, weekly writing assignments on poetry, literature and other comprehensive exercises. The course is also designed, so that students are required to work independently quite often in much the same way as a college freshman. The course is demanding especially in terms of the required writing and reading.

1 unit of credit

Family & Home Consumer Science

Food and Nutrition

This course is designed to help students develop an understanding of sound nutritional concepts through hands-on experiences related to food and nutrition. Instruction is given in nutritional requirements and the planning, purchasing, preparation, and serving of nutritious foods. It includes the role of different foods in growth, maintenance, and functions of the body. Careers in the field are discussed.

$\frac{1}{2}$ unit of credit

Food Preparation

This class provides in-depth study of the selection and preparation of food for good nutrition. The basic skills and techniques of food preparation are reinforced and practiced, along with menu planning, recipe adaptation, and basic serving techniques.

$\frac{1}{2}$ unit of credit

International Foods (Pre-requisite - Food Prep)

The history of foods in our country and around the world are studied and explored, including the roles that religion, customs, and geographic location play in regional and international foods. Students will have an opportunity to research and prepare several international foods.

$\frac{1}{2}$ unit of credit

Applied Food Science

This course is the study of food science based on scientific principles. This course will include chemistry fundamentals, the science of nutrition, chemistry of food and microbiology of food processing. Sensory, chemical, and nutritive qualities of foods, sanitary aspects of preparation and food presentation are studied through demonstrations and laboratory experiments. This course may be used to fulfill one unit of science credit needed for a diploma.

1 unit of credit

Family & Parenting I

In this course, the student will examine the dynamics of family life and apply them to individual present & future family situations. This class addresses parenting issues, such as basic human needs, relationships, personal readiness, teen parenting, planning a family, pregnancy, prenatal care, the birth process, infant care, building parenting skills, strengthening families, and handling common family problems. Students will be given an opportunity to simulate parenting skills and responsibilities using an electronic "Real-Baby." Students will examine the physical, emotional & psychological development of children from conception to toddler hood.

$\frac{1}{2}$ unit of credit

Family & Parenting II

This course will continue the study of child development from toddler hood through adulthood. Topics include meeting physical & emotional needs, health & safety, character development, promoting positive behavior, helping children learn, and children with special needs.

$\frac{1}{2}$ unit of credit

Housing and Environment

This course is designed to provide a foundation for management of housing information as it relates to individual inhabitants. Topics include: home design, construction methods, buying a home, landscaping, home maintenance, security, and the impact of technology in the home. Functional aspects of home and community living and career possibilities are also included.

$\frac{1}{2}$ unit of credit

Interior Design (Pre-requisite - Housing & Environment)

This course provides students with an opportunity to apply the principles of design to interior planning. Projects based on the elements of design, furniture styles, lighting, color and design, problem solving, decision making, and management of time, energy and interior space will be included.

$\frac{1}{2}$ unit of credit

Introduction to Sewing and Textiles

The goal of this course is to explore the world of textiles, and to teach fundamental sewing skills, including hand sewing and the use of sewing machines. Students will use these skills to create an assortment of hands-on sewing projects, which may include pillows, simple clothing construction, and quilting projects. Career opportunities will be explored.

$\frac{1}{2}$ unit of credit

Clothing Design & Construction (Pre-requisite: Introduction to Sewing and Textiles)

This laboratory course provides students with an opportunity to expand their sewing skills. Students will learn about the designs of clothing throughout history and experiment with their own designs. Students will learn the skills of clothing construction, and apply those skills to create projects, which may include clothing production, and specialized techniques to repair, alter, and restyle both ready-to-wear and vintage clothing.

$\frac{1}{2}$ unit of credit

LANGUAGE

French 7

French 7 introduces students to the French language. This course focuses on introductory communication through interactive speaking and listening activities. Students begin the process of understanding simple grammatical structures and vocabulary. Reading and writing activities are often completed within small groups or with a partner. Students explore certain aspects of Francophone cultures. Class is conducted in French except for introduction of new grammar.

$\frac{1}{2}$ unit of credit

French 8

French 8 begins where French 7 leaves off. These two years are considered a single unit of study and are designed to help the student acquire "Proficiency" in French. Students will be continuing to engage in interactive speaking and listening activities with a greater emphasis placed on the acquisition of reading and writing skills. Students practice their skills by communicating with French-speaking Internet pen pals. The New York State Proficiency Examination is administered at the end of this course for Regents credit. Class is conducted in French except for introduction of new grammar.

$\frac{1}{2}$ unit of credit

French II

French II is the first year of High School French and is offered to students who have completed French 7 & French 8. Students begin to learn a more sophisticated French with extensive vocabulary and intricate grammatical structures. This is the first year of a two-year preparation for the New York State Regents Examination. There is a focus on language practice while incorporating information about the cultural aspects of Francophone countries. Class is conducted in French except when covering complex grammatical structures.

1 unit of credit

French Level III

French III continues to build upon topics and skills that are introduced in French II. Students engage in culturally appropriate interactive activities that reinforce higher level grammar and in-depth vocabulary. An emphasis is placed on spontaneous conversational skills and strategies for communicating with a native speaker in the French language. Students practice their skills by communicating with French-speaking Internet pen pals. The New York States Regent Examination is administered at the end of this year for Advanced Regents credit. Class is conducted in French except when covering complex grammatical structures.

1 unit of credit

French IV

French IV students are introduced to a sophisticated use of the French language with an emphasis on the ability to use higher-level language skills that will be useful in future language classes. Cultural topics are introduced through intricate readings in French. Students will write their first brief expository essay in French. Students will travel to Montreal to practice using the skills they have acquired. Class is conducted in French with few exceptions.

1 unit of credit

French V

French V students have the opportunity to learn about the history of France and engage in interesting projects while continuing to build vocabulary and grammatical knowledge of the language that will be useful in college level French classes. Students will conduct a small research project culminating in an expository essay in French. There is a trip to Montreal at the end of this year during which they will practice the skills they have acquired in class. Class is conducted in French.

1 unit of credit

MATHEMATICS

Integrated Algebra 9 (required)

This course develops an understanding of basic algebraic concepts and skills to be applied to solving equations and inequalities. Topics include: number theory and sets, rotation & proportions, operations with radicals, Pythagorean Theorem and right triangle trigonometry, and solving equations/inequalities algebraically and graphically. There is a Regents examination at the end of this course.

1 unit of credit

Geometry (required)

This course develops an understanding of the concepts and terminology of geometry. Algebra will be a comprehensive study of various topics including: constructions, solid geometry, formal & informal proofs, congruent triangles, transformational & coordinate geometry, and circle geometry. We will also be taking a look at the Cabri Geometry program on the graphing calculator

1 unit of credit

Advanced Geometry

This course studies all of the topics outlined in *Geometry*. However, since this is *Advanced Geometry*, we will be taking a look at some topics in more depth. Students will be doing some logic proofs, solid geometry proofs, and more complicated triangle congruence proofs. In addition, we will be doing some labs with the graphing calculator.

1 unit of credit

Math B-2

This course builds upon the algebra, geometry, and trigonometry covered in the *Math-A* course(s) and takes these concepts to a higher level of understanding. In the last quarter of the course students will be introduced to calculus concepts. Real applications are emphasized in this course and students will have several opportunities to participate in math labs.

1 unit of credit

Algebra 2 w/Trigonometry (required if seeking an Advanced Regents Diploma)

This course is designed to expand on algebraic and trigonometric concepts learned so far. This course is intended for students who wish to earn an Advanced Regents Diploma, or who will be studying mathematics post high school. Topics of study include: matrices, functions, relations, inverses, conics, trig functions, and probability and statistics. A working knowledge of the graphing calculator is important in this course.

1 unit of credit

Pre-Calculus

Student will participate in a preparation for calculus. Some review will be done on functions. Students will be able to demonstrate the understanding of the Rule of four needed for problem solving in calculus, demonstrate the ability to compare and contrast the types of functions studied, and demonstrate a working knowledge of the graphing calculator. Topics of investigation and application to real world applications include: exponential and logarithmic functions, composition of functions, inverses, and polynomial functions.

1 unit of credit

MUSIC

Chorus

Senior Chorus involves the development of vocal and choral techniques, following NYSSMA guidelines for balance, blend, interpretation, accuracy and general musicianship. Diverse examples of choral literature will be explored. Class participation and attendance at all performances is mandatory.

$\frac{1}{2}$ unit of credit

Band

Band rehearsals stress the development of technique on the student's individual instrument, as well as advanced musical concepts as found in solo literature. A wide variety of musical styles are explored through the band, small ensemble, and solo repartee. Grading is based on participation in performances including parades, recitals and concerts as well as progress in performance class, responsibility to the group for learning parts, musical contribution to the ensemble, and degree of positive attitude towards music and musical activities.

$\frac{1}{2}$ unit of credit

Band and/Recital Music Credit

Under extraordinary circumstances, a student may elect a recital option as part of their Band curriculum. This would entail one semester of regular Band and one semester of guided preparation of ten minutes of solo repertory to be performed in a public recital. During the recital semester, the student will be assigned to 90 periods of independent study time practice. The student will be responsible for arranging instructional sessions (normally once a week) with the Music Department or a private instructor according to the student's specific needs. A student requesting this option must:

- Demonstrate an extraordinary circumstance which certifies this curriculum is more appropriate than the regular curriculum.
- Have demonstrated his or her ability to work as an independent learner.
- Receive written permission from the Music Department, the Superintendent of Schools, and the student's parents.

Music Skills & Theory

This course would be a continuation of music skills learned in previous years, working on sight singing/reading. Other components would be learning the theory of music, basically a comprehensive music class with a few extras. Learning chords, key signatures, composing music etc.. Any student interested in pursuing music either vocal or instrumental would really benefit from this class.

1 unit of credit

Voice Lessons

This course would be a 20-40 minute lesson to focus on vocals as well as working on sight-singing and sight-reading to help better prepare students for music festivals and concerts. This course will supplement High School and Middle School chorus.

PHYSICAL EDUCATION & HEALTH

Physical Education:

High School physical education classes teach the relationship between physical activity, physical fitness and health. An emphasis on enjoyable participation in a variety of team and individual activities is used to develop the knowledge, attitudes, motor skills, behavioral skills and confidence needed to enjoy and maintain physically active lifestyles throughout life.

The method of determining the final grade may include:

1. Performing and improvement in specific skills.
2. Demonstrate knowledge through written tests & use of skill.
3. Preparedness for class and participation in class.
4. Identified improvement on physical fitness.
- 5.

$\frac{1}{2}$ unit of credit

Health

Health must be taken during high school, usually during the sophomore year to fulfill state requirements. The course content includes wellness and quality of life, components and benefits of physical, nutritional health, function of body systems, personal care, mental and emotional health, decision making, death, dying and grieving, use and misuse of drugs, effects of alcohol and tobacco, sex education, sexual abuse prevention, AIDS education, disease and disorders.

$\frac{1}{2}$ unit of credit

Weight Training

This class is a hands-on program for building strength. In this course, students will learn the different muscle groups and will do a daily program working a different muscle group each day. Students will learn how to spot and be spotted, will learn rules to properly go about their routine and will learn why strength training is important.

$\frac{1}{2}$ unit of credit

SCIENCE

Regents Biology (Living Environment)

This course covers simple to complex organisms and their life cycles. Physiology, genetics and ecology are among the main topics. Emphasis is placed on gaining a basic understanding of structure and function of life process and the interactions from one species to another, as well as the impact of this interaction on our present day environment. There are five lectures and two and a half lab periods each week for this course.

1 unit of credit

Regents Earth Science (Physical Setting)

This course is a study of structure and composition of the earth, its waters, and its atmosphere. In this course we study the changes that have taken place on Earth, and we study how energy comes to the surface of the Earth and how it is transferred during changes. We also study how the earth fits into the larger Universe, and how movements of the Earth and Moon affect us from day to day. Topics that we cover in class include meteorology, geology, climatology, mapping, astronomy and planetary ecology. There are five lecture periods and two and a half lab periods per week.

1 unit of credit

Regents Physics

Contrary to popular opinion, and in spite of the fact that it is a higher-level science course, physics is the most basic of all of the sciences. This is because physics ties together all the other areas of science. In physics we study the basic rules of nature, the way things work; everything from what keeps the planets spinning around the Sun to what causes static cling on the sub-microscopic level. The topics we cover include forces and movement, sound and light, energy and work, electricity and magnetism, and atomic and nuclear reactions from both a classical and quantum perspective. It is offered in alternate years with Regents Chemistry. There are five lecture periods and two and a half lab periods per week.

1 unit of credit

Environmental Science

In this course we study the ecology of the Adirondack Park. We learn basic concepts in forestry, aquatics, wildlife, soil science and geology, and then apply them to our surroundings. We cover other areas of global interest as well, such as global warming and climate change, the loss of biodiversity, and the affects of pollution on ecosystems. Students in this course are expected to participate in the Hamilton County Envirothon.

$\frac{1}{2}$ unit of credit

Marine Science (Distance Learning)

This is a one-year course consisting of a half-year of Marine Biology followed by a half-year of Oceanography. In Marine Biology the emphasis of study is life in the sea. In Oceanography the emphasis is on the physical setting of the ocean, including topics in light, temperature, pressure, sound and water chemistry. Understanding in biology, chemistry, physics and earth science are interwoven to produce an interdisciplinary science. Up to date marine technologies are also included. Mathematics is infused whenever possible, thereby, strengthening students skills in calculations and problem solving.

1 unit of credit

Natural Disasters (Distance Learning - Host: Indian Lake)

Semester 1 Course - Wild fires, tsunamis, earthquakes and more! There is nothing like a natural disaster to remind us of the amazing power of nature. Learn what causes these disasters, how they affect humans and other living things, and how they have helped us learn more about the way our planet works. Learning Outcomes for this Course are as follows:

1. The student will gain an understanding of the geologic and atmospheric processes responsible for natural hazards; including earthquakes, volcanic eruptions, landslides, flooding, tornadoes, hurricanes, drought, and blizzards.
2. The student will gain an understanding of the areas susceptible to natural hazards and the frequency with which these hazards become natural disasters. The student will gain an understanding of practical ways to avoid the effects of natural disasters and mitigate the effects in areas where they are likely to occur.

$\frac{1}{2}$ unit of credit

Adirondack Ecology (Distance Learning - Host: Indian Lake)

Semester 2 Course - One of the best things about living in upstate New York is having access to the naturally beautiful Adirondack Park. This course will teach you about the plants and animals found here and how these living things interact. Learn to identify the numerous mammals, reptiles, amphibians, fish, and trees that are found in our area, and design your own experiment to learn about an organism that interests you. There will be a significant outdoor component to the class, so keep some extra shoes handy!

Learning Outcomes for this Course are as follows:

1. Identify, classify, and describe several organisms, including trees, mammals, amphibians, reptiles, birds, and fish.
2. Develop essential research skills by reading scientific literature, analyzing the work of others, and designing independent experiments.
3. Describe the interactions between local organisms and analyze the impact of both natural and human-induced changes on these relationships.

$\frac{1}{2}$ unit of credit

*Applied Food Science - See Family & Home Consumer Science

*Occupational Science - See Technology Education

Social Studies

Global Studies I

This course in Afro-Asian studies intends to impact a cultural overview of the world today. The areas of study include USSR to South East Asia and Japan.

1 unit of credit

Global Studies II

Global Studies enables the student to gain understanding of the present through an appreciation of the challenge and achievement of the past. Ancient Mesopotamia, Greece, Rome and India contributed to the foundation for today's world culture and traditions. A Regents exam must be passed as part of the graduation requirements.

1 unit of credit

US History & Gov't

This course of study covers the history and government of the United States. The ability to think critically is developed so that students may make reasoned, objective judgments about historical interpretations and contemporary issues. Students should be able to see the cause and effect relationship of events in history and know the origins and development of our nation's government, economy, society and culture. Constitutional and legal issues are explored, and industrialization and technology are studied. A Regents exam must be passed as part of the graduation requirement.

1 unit of credit

Economics/P.I.G. - "Participation in Government"

"Economics"- This course includes the basic economic concepts and understanding which all persons will need to function effectively and intelligently as citizens and participants in the economy of the United States and the World.

$\frac{1}{2}$ unit of credit

"P.I.G."- This is the second semester topic that emphasizes the interaction between citizens and government at all levels - local, state, and federal. The course intends to encourage all students to understand and participate in government and the democratic process.

$\frac{1}{2}$ unit of credit

Current Issues

Current Issues is a full year course offered by the social studies department. Students taking this course tackle controversial issues in the areas of politics, economics, and society. Global, national, and local issues are studied in a variety of methods so that students can understand all sides of an issue, and make informed evaluations of them. Current events are also a large part of this course, and are covered daily through discussions, reading, and handouts.

1 unit of credit

TECHNOLOGY EDUCATION

Design & Drawing for Production

This course of study will allow students to draw and design with technical instruments along with the computer. The students will brainstorm ideas, draw and design a product and then produce the product by using a variety of machines in the classroom. The student will have the opportunity to use as many machines as she/he would need to produce a useable product. Example of past projects: breadboxes, TV stands, magazine holders, cabinets, etc... This course may be used to fulfill one unit of art credit needed for a diploma.

1 unit of credit

System Courses:

Communication System

This course introduces the systems utilized for mass communication, their impact on society, and their related careers. Students must learn general terminology, career, safe operating practices and selected technology.

$\frac{1}{2}$ unit of credit

Production Systems

This is a study of basic systems of construction from the first part of the course and is followed by the basic systems of manufacturing. If an object is produced in a factory, the procedure is considered to be construction. Each has its unique concepts and technique in our technology.

$\frac{1}{2}$ unit of credit

Transportation Systems

This study is designed to provide an introductory view of transportation modes with emphasis on land, marine and aerospace. Propulsion systems, power system, types of vehicles, mass transit, safety routes and instrumentation will be studied.

$\frac{1}{2}$ unit of credit

Foundation Courses:

Base Electronics

Students become familiar with the comprehensive electrical technologies as represented by the home environment. Students investigate the influences and applications in all other technological areas, basic fabrication and assembly techniques, and the theory and operation of common low voltage systems in the home.

$\frac{1}{2}$ unit of credit

Energy

Students look at all forms of energy, energy conservation, types of resources and the energy crisis. Each student should gain a working familiarity with the world's five sources of energy: solar; chemical; gravitational; nuclear and geothermal.

$\frac{1}{2}$ unit of credit

Aerospace

This is an exploratory course covering the origins of flight, the formative years, World War II and the subsequent aerospace navigation and communications, meteorology, propulsion and space technology.

$\frac{1}{2}$ unit of credit

Land Transportation

This course concentrates on forms of transportation on land by investigating all systems necessary to the operation of a land vehicle today.

$\frac{1}{2}$ unit of credit

Residential Structures

This course studies the many systems and skills involved in constructing non-high-rise residential buildings. Course content includes: resources, such as materials, supplies, and finances; processes, such as planning, framing, roofing, and insulating; and the outputs and effects, such as quality assurance, environmental impact, and economic consequences.

$\frac{1}{2}$ unit of credit

Leather, Ceramics, and Jewelry (Material Processes)

This course is designed to provide a student with a variety of materials that industry uses everyday. The student will explore these materials and develop a product. We will explore how these materials get to us and what careers are involved. Students will draw and design a product before they produce it. The course is hands on. The use of the computer will be incorporated into the course.

$\frac{1}{2}$ unit of credit

Landscaping & Beautification

This course of study will explore how to produce an attractive yard along with discussing environment issues. The student will have the opportunity to use his/her imagination on ways to enhance dull areas of a building. They will be able to work closely with designated people to receive their views on what could be done to spruce up an environment. Example of activities: gardening, designing parks to spruce up areas of dead spots in lawns, and to design and produce cabinets for space issue in a building.

$\frac{1}{2}$ unit of credit

Creativity and Innovation

This course will expose students to problem solving techniques and systems, styles of thinking, methods for generating multiple ideas or solutions, and techniques for development and communication of ideas. Students will participate individually and in learning teams, on selected topics.

$\frac{1}{2}$ unit of credit

Occupational Science

This course is an exploration of areas of science. It explores the human body and what makes it function. The class studies areas such as nerves, body parts, muscles, and bones. Occupational science also studies types of diseases that the human body is prone to. The course studies areas of weather, water/waste treatment, different types of energy and their uses, storms and what causes them, and identification of plants and their usefulness to us. Hands on activities are used to relate to these topics. This course may be used to fulfill one unit of science credit needed for a diploma.

1 unit of credit

Vocational/Technical Education

A wide variety of vocational education courses are available to Indian Lake's juniors and seniors through the Washington-Saratoga-Warren-Hamilton-Essex Board of Cooperative Education Services (BOCES). Most of the courses are located at the Southern Adirondack Educational Center of Dix Avenue in Hudson Falls, although some courses have been offered at satellite schools.

Most Vo-Tech Courses are planned as a two-year program and are awarded 3 3/4 to 4 credits per year. The intent of these courses is to prepare students for entry-level positions in occupations of their choice. BOCES maintains an active job placement office to assist graduates in securing jobs and has a high percentage of employment success.

The following Vo-Tech programs are offered:

***Agriculture**

- 1) Conservation/Forestry
- 2) Commercial horticulture

***Health Occupations**

- 1) Community
- 2) Nurse Assisting
- 3) Practical Nursing

*** Business Occupations**

- 1) Office and computer technology

***Home economics education**

- 1) Child Care

***Trade and Industrial**

- | | |
|--------------------|---|
| 1) Auto Technology | 6) Heavy equipment repair and operation |
| 2) Building trades | 7) Machine and tool technology |
| 3) Cosmetology | 8) Small engine/motorcycle mechanics |
| 4) Electronics | 9) Welding/metal fabrication |
| 5) Culinary arts | |

*See your school counselor if you are interested in learning more about BOCES

OTHER SPECIAL COURSES

BOCES New Visions - The following courses are open to seniors only. The brief descriptions should be enough to motivate interested students to see the guidance counselor for more detailed information.

Engineering - Students explore the world of engineering through hands on projects that integrate academics and engineering concepts.

Health Career Exploration - Students learn and observe in hospital settings from physicians, therapist, nurses and a wide range of other health care professionals. Academics are combined with clinical experience to provide a rich and rewarding learning opportunity.

COLLEGE COURSES (via Distance Learning)

The following college courses are available, please see guidance counselor for availability.

Hospitality Management (North Country Community College)

Small Business Accounting (North Country Community College)

WORK EXPERIENCE PROGRAM

The work experience program is designed for students to get a first hand look at an occupation they may be interested in. The program consists of placing a student in an appropriate work site for a minimum of one period per day although two periods per day is preferred. One or two credits toward graduation will be granted upon successful completion of this work experience. The number of credits will be determined by the number of hours worked during the work experience. Participation in this program will be reserved for students who have demonstrated responsible attendance patterns and for students in good academic standing. The student will not be paid during the work experience program.

ADDITIONAL DISTANCE LEARNING COURSES (Host/Receive)

The following distance learning courses are available. These courses are either a half unit of credit or a full unit of credit depending on the course. Please see the guidance counselor for availability.

Introduction to Nanotechnology - Jeannine Bieber, Hadley-Luzerne

Course Prerequisite: Presently enrolled or already have taken HS Chemistry.

This will be a project based, student driven course that will cover the following areas.

- I. What is nanotechnology? How small is a "Nano" anyway?
 - Introduction using the "Powers of 10" video
 - The metric system
- II. Basic Chemistry - Establish a working knowledge
 - Review atomic structure (subatomic particles, bonding, etc.)
 - Review the periodic table
- III. The Scientific Method - Review and examples of how it may be applied to developments in nanotechnology
- IV. How does nanotechnology affect our everyday lives?
 - Introduce common products that have been changed or improved through Nanotechnology
- V. How do scientists work at a "nano" level?
 - "regular" equipment vs. "special" equipment
- VI. What are some main areas of research in the nanotechnology industry?
 - Medicine, manufacturing, "green" applications, etc.
- VII. Career options in nanotechnology and how to get there.
- VIII. Local nanotechnology facilities
 - Incorporate 2 field trips to Capital District area
 - Guest speakers that work in nanotechnology related fields

Anthropology - South Glens Falls

An introduction to the study of Anthropology, this course is taught in the Distance Learning Lab. The course is divided into three main branches: Archeology, Physical Anthropology, and Cultural Anthropology. A textbook of stories is supplemented with various other readings appropriate to the topic. This course is designed to help students with a college level introduction to Anthropology courses. Juniors and seniors who are planning on college may take this half-year course.

Psychology - South Glens Falls

This half-year course is available to Juniors and Seniors only. This is an introductory course, which emphasizes the basic concepts, which characterize human behavior. Scientific research methods are used to study topics such as personality, intelligence, learning, motivation, sensory perception, and developmental behavior.

Criminology (I & II) - Chris Angell, Warrensburg

Two Half Year Courses (Fall & Spring) 0.5 Credits each

The management of the criminal justice system includes the study of police, courts, and corrections. We will study the social, legal, and psychological ramifications crime has upon our society. This course also schedules a number of field trips to various facilities that students are expected to attend.

Spanish I - Broadalbin Perth

This course involves communicative presentation of Spanish with an emphasis on listening, reading, speaking, and writing based on relevant topics. Relevant culture is discussed. Instruction is supplemented by, computer programs, tapes, videos, and Cds. Continuation of this sequence may lead to Regents credit.

Sports and Entertainment Marketing - Mechanicville

This course will provide an overview of Business and Marketing essentials including the functions of marketing, mass targeting and market research. This class will assist the business student in the understanding of sales, marketing, and advertising as it relates to sports and entertainment. It will also focus on the special nature of sports and entertainment marketing including understanding the impact sports media and public relations, team marketing, and product design.

Society & the Environment - Stephen Tomb, Johnsburg

This course focuses on the ethical, moral, social, and aesthetic issues surrounding the interaction of societies with the earth. Preservation, conservation, and management of the environment will be considered. Primary study will focus on a variety of writers such as Thoreau, Muir, Carson, Dillard, and McKibben. Additional sources of study will include film, visual art, and philosophy writings. Analytical writing will be an important component of the course. This is an upper level course and it is expected that students will be committed to their own education and learning by reading up to 20 pages an evening as well as completing writing assignments and projects.

Wiki to Waki: Learning the Interactive World Wide Web - George DeChant

Students will learn about at least 27 interact modes of communication on the internet. Examples: Wiki, Twitter, Blogs, Mash ups, Social Bookmarking, Google Docs, Syncing home to web to school, Really Simple Syndication Students will create a portfolio from their learning experiences while creating and developing their knowledge of Web 2.0. Weekly homework will include creations of blogs, posting to blogs, following a list serve. Students will be required to learn about public domain software and other tools to gather and filter information. At the end of the course the students will have a portfolio that includes sound files, image files and videos.

Exploring Humanity Through Film - Newcomb

This course is designed to offer students an opportunity to examine dimensions of diversity in an increasingly globalized world. Through critical analysis of readings and films, guided group discussions, reflective writing, on-line postings, and group presentations, students will develop critical and media analysis skills as well as an awareness of their role in creating socially just and healthy communities. They will explore the power of film and other art forms to inspire reflection, awareness, empathy, and personal and societal change. Themes to be explored in the yearlong course include gender, race/ethnicity, sexual orientation, ability/ableism, bullying, immigration and xenophobia, religion and class. Assignments have included journaling, essays connecting text-to-film or text-to-self, group video making, facilitation of critical film viewing with peers and younger students.

Parental Note: Some films in the listings are rated R. Only appropriate clips will be viewed in class.

Required text: Readings for Diversity and Social Justice (RDSJ), Adams, Blumenfeld, Castaneda, Hackman, Peters, & Zuniga, Eds.

Other Readings: Students will also be given other scholarly readings from various sources, including but not limited to, writings by W.E.B. DuBois, Frederick Douglass, Leslie Marmon Silko, Peggy McIntosh, Simone De Beauvoir, James Loewen, and Rachel Simmons.

A Sampling of Films:

- | | |
|-------------------------------|----------------------------------|
| -Fried Green Tomatoes | -As Good as it Gets |
| -Rain Man | -Gattaca |
| -Coming Home | -One Flew Over the Cuckoo's Nest |
| -Children of a Lesser God | -Rosewood |
| -Geronimo | -Smoke Signals |
| -Crash | -Real Women Have Curves |
| -Snow Falling on Cedars | -My Brilliant Career |
| -Mona Lisa Smile | -Coal Miner's Daughter |
| -Good Will Hunting | -School Ties |
| -Napoleon Dynamite | -The Children's Hour |
| -Guess Who's Coming to Dinner | -Liberty Heights |
| -El Norte | -The Visitor |
| -Towelhead | -House of Sand and Fog |
| -Mean Girls | -Swing Kids |
| -Courage Under Fire | -The Contender |
| -Radio | -Simon Birch |
| -Bicentennial Man | -She's the Man |
| -When Harry Met Sally | -Kramer vs. Kramer |
| -Coffee & Cigarettes | -Far From Heaven |
| -Kinsey | -Get on the Bus |
| -Indecent Proposal | -My Bodyguard |

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