

## **CAREER AND TECH CENTER (CTE)**

**Director: Ms. Cindy Walter**

**Principal: Mr. Kevin Casler**

**Phone: (607) 257-1551**

**Website: <http://tstboces.org/cte>**

Career and Tech Programs educate students in a variety of technical areas, preparing them for entering the workforce with a marketable skill and for continuing on to higher education. Classes are conducted at the TST BOCES 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 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. Students receive 2 – 4 credits for each year of their Career and Tech Program.

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. All CTE courses meet the NYS graduation requirement to allow students to earn the CTE Pathway by attaining mandatory CDOS hours, and second year students are eligible to earn a Technical Endorsement upon completion of the two year curriculum. Most Career and Tech courses offer integrated math and science credit, and some classes offer Concurrent Enrollment college credit through Tompkins Cortland CC. All Career and Tech Programs have articulation agreements with colleges that have a related program.

## **CAREER AND TECH (CTE) COURSE DESCRIPTIONS**

**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 care and veterinary science. Topics of study include: animal health and disease, nutrition, reproduction, parasitology, anatomy and physiology, and animal behavior. Students work with a variety of companion and production animals to enhance their skills in animal handling, care and management. Students will perform clinical procedures that are commonly performed at veterinary clinics and learn the technical skills to operate and manage a dog grooming clinic. Leadership opportunities are available in this class through the local chapter of the national student leadership organization, FFA (Future Farmers of America), where students participate in leadership training, workshops and national conferences.

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

**Industry Certification/Concurrent Enrollment Credit Options:** Not applicable for this course.

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

**College Majors/Career Opportunities in this Field:** Veterinary Technician, Agriculture, Veterinary Assistant, Equine Studies, Zoology, Conservation Officer, Animal Trainer, Animal Care Specialist, Pet Groomer, Animal Laboratory Assistant, 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 trains students in collision repair, automotive detailing, painting and restoration work. Topics of study include: collision and auto body repair, auto refinishing, welding techniques, and replacement of parts and sections of panels. Students learn to use hand, power, and specialized auto body tools and equipment to repair dents and frame work on metal and plastic sections of automobiles. Students have the opportunity 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.

**Industry Certification/Concurrent Enrollment Credit Options:** Not applicable for this course.

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

**College Majors/Career Opportunities in this Field:** Automotive Detailer, Auto Body Technician, Shop Owner/Manager, Automotive Insurance Claim Adjuster, Parts Manager, Auto Glass Installer, Auto Collision Repair Technician.

**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 through NATEF (National Automotive Technician Education Foundation.) Topics of study include: engine performance, tire repair/replacement, alignment, fuel systems, wiring and electrical systems, power trains and transmissions, brake repair and replacement, steering and suspension. Students will diagnose, troubleshoot and perform preventative maintenance on foreign/domestic cars and light trucks by using the latest techniques and computerized diagnostic equipment.

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

**Industry Certification/Concurrent Enrollment Credit Options:** ASE (Automotive Service Excellence) Entry-Level Industry Certification in Maintenance and Light Repair and NYS certification in Motor Vehicle Inspections are available upon completion of this program.

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

**College Majors/Career Opportunities in this Field:** Automotive Service Technician, Tire Mechanic, Parts Specialist, Shop Owner, Automotive Sales Representative, Engine Performance Technician, Emissions Analyst, Mechanical Design/Engineering.

**COMPUTER TECHNOLOGY/CYBERSECURITY: 1<sup>st</sup> Year – PM Session & 2<sup>nd</sup> Year – AM Session**

**Course Description:** Students will protect computer systems, networks, and programs from digital attacks. Topics of study include: identifying and assembling PC hardware, collecting and analyzing data, installing and configuring operating systems (Windows and Linux). Students will identify cybersecurity 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.)

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

**Industry Certification/Concurrent Enrollment Credit Options:** This course offers Concurrent Enrollment credit through Tompkins Cortland CC. Students may be eligible to take several industry certifications - MTA (Microsoft Technical Associate) in Security Fundamentals, Network Fundamentals, and Windows Operating Systems upon completion of this program.

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

**College Majors/Career Opportunities in this Field:** IT Technical Support, Network Support Technician, Cybersecurity Specialist, Computer Programmer, Information Technology, Cryptographer, Computer Repair, Security Administrator, Software Developer, Computer Forensics.

**COSMETOLOGY: 1<sup>st</sup> Year – PM Session & 2<sup>nd</sup> Year – AM Session**

**Course Description:** Students will learn technical and communication skills required to be successful in a professional salon work environment. Topics of study include: hair coloring, styling, conditioning and shaping, esthetics, nair care, and massage. Product knowledge, proper application and technical procedures are taught to enhance the personal care of hair, nails, and skin. Students develop and practice their skills during open clinics where the public is invited to make appointments for beauty services. Students must accumulate 1,000 hours of instruction in order to be eligible to take the NYS certification exam.

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

**Industry Certification/Concurrent Enrollment Credit Options:** Students can be eligible to earn a NYS Cosmetology License upon completion of the program.

**Required Materials:** First year students will need to purchase a kit that includes: mannequin, smock, and hair supplies – total cost of the kit is \$200.00. 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.

**College Majors/Career Opportunities in this Field:** Hair Stylist, Cosmetologist, Salon Owner, Color Consultant, Nail Technician, Esthetician, Product Sales Representative, Barber, Electrolysis, Make-Up Artist, Salon Manager.

**CRIMINAL JUSTICE: 1<sup>st</sup> Year – PM Session & 2<sup>nd</sup> Year – AM Session**

**Course Description:** Students will learn criminal and civil law, vehicle and traffic law, arrest and court procedures, report writing and professional communication skills. Topics of study include: interviewing skills, self-defense, security, fingerprinting, civil rights, forensics, accident and crime scene illustration, digital photography, and forensics. Students will participate in community service, physical conditioning, patrolling, and crime scene investigation.

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

**Industry Certification/Concurrent Enrollment Credit Options:** Students can earn American Red Cross First Aid and CPR certification and NYS Security Guard certification upon completion of this program.

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

**College Majors/Career Opportunities in this Field:** Corrections Officer, Police Officer, Security Guard, Conservation Officer, Military Police, Homeland Security Advisor, Crime Scene Investigator, State Police Officer, Customs/Border Control Agent, Court Reporter, Criminologist, Private Investigator.

**CULINARY ARTS: 1<sup>st</sup> Year – PM Session & 2<sup>nd</sup> Year – AM Session**

**Course Description:** Students will learn the fundamentals of safety and sanitation, equipment operation, and how to prepare short order and large quantity cooking meals. Topics of study include: baking breads and pastries, creating main entrees, side dishes, and soups, practicing professional skills through customer service, menu planning, and recipe conversions. Students will work effectively with their team members, learn restaurant management skills through catering services, cake and pastry orders, and the complete operation of *Bistro 555*, the on-campus restaurant.

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

**Industry Certification/Concurrent Enrollment Credit Options:** This course offers Concurrent Enrollment credit through Tompkins Cortland CC. Students can earn industry certification as a ServSafe Food Handler upon completion of the program.

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

**College Majors/Career Opportunities in this Field:** Pastry Chef, Sous Chef, Restaurant Owner, Food Sales Representative, Nutritionist, Baker, Short Order Cook, Executive Chef, Food Service Manager, Hospitality, Resort Manager.

**DIGITAL MEDIA: 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. Topics of study include: digital photography, digital video, movie development and production, screen printing, 2D and 3D animation techniques, digital storytelling, and video game design. Both raster and vector-based design software will be utilized to provide creative, practical solutions to graphic design challenges. 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.

**Integrated Academic Credits Available:** 1 credit of Art over the course of the two year curriculum. Students can also enroll in Personal Money Management or Science if these credits are needed towards graduation.

**Industry Certification/Concurrent Enrollment Credit Options:** This course offers Concurrent Enrollment credit through Tompkins Cortland CC. Students can earn several industry certifications in Adobe upon completion of this program.

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

**College Majors/Career Opportunities in this Field:** Graphic Design, Communications, Game Design, New Media, Animation, Advertising Design, Web Design, Multimedia Artist, Game Artist, UI/UX Designer, Production Assistant, Videographer, App Developer, and Photographer.

**EARLY CHILDHOOD: 1<sup>st</sup> Year – PM Session & 2<sup>nd</sup> Year – AM Session**

**Course Description:** Students will examine the physical, social/emotional and intellectual development of children. Topics of study include: child development, child psychology, nutrition, social/emotional learning, special needs of children, and health and safety of children. Students will design and implement lesson plans, care for children in a preschool environment, enhance professional written and oral communication skills, and gain hands-on experience through internships at local preschools, childcare centers and elementary schools.

**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.

**Industry Certification/Concurrent Enrollment Credit Options:** This course offers Concurrent Enrollment credit through Tompkins Cortland CC. Students can earn American Red Cross First Aid and

CPR certification and Foundations in Health and Safety e-Learning industry certifications upon completion of this course.

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

**College Majors/Career Opportunities in this Field:** Child Care Provider, Preschool Teacher, Early Intervention Specialist, Speech Therapist, Social Worker, School Counselor, Head Start Director, Teacher Assistant, Special Education Teacher, Preschool Director, Reading Specialist, Nanny.

**HEAVY EQUIPMENT: 1<sup>st</sup> Year – PM Session & 2<sup>nd</sup> Year – AM Session**

**Course Description:** Students will be trained in the operation, maintenance, diagnosis and repair of heavy equipment, farm machinery and heavy duty trucks. Topics of study include: principles of the diesel engine, alternative fuel sources, drive train, brakes, suspension and steering, electrical systems, hydraulics, landscaping, agriculture, conservation, welding, and preventive maintenance. This program is designed to meet the growing demand for technicians and operators in the transportation, construction and agricultural fields.

**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.

**Industry Certification/Concurrent Enrollment Credit Options:** Students can earn OSHA 10 Industry Certification upon completion of this course.

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

**College Majors/Career Opportunities in this Field:** Heavy Equipment Technician, Backhoe Operator, Diesel Mechanic, Skid Steer Operator, Hydraulics Technician, Equipment Manager, Heavy Equipment Operator, Diesel Truck Driver, Highway Superintendent, Construction Laborer, ForkLift Operator.

**NURSE ASSISTING & HEALTH OCCUPATIONS: 1<sup>st</sup> Year – PM Session & 2<sup>nd</sup> Year – AM Session**

**Course Description:** Students will learn the skills to be a supportive caregiver through clinical experiences in nursing homes, hospitals, and private homes. Topics of study include: personal care procedures, anatomy and physiology, body mechanics, body structures and functions, medical terminology, nutrition, human biology, disease treatment and prevention, and medical legality issues. During clinical rotations, students perform personal care procedures, learn to take vital signs, and assist patients with mobility using crutches, canes, walkers and wheelchairs. Leadership opportunities are available in this class through the local chapter of the national student leadership organization, HOSA (Health Occupations Students of America), where students participate in leadership training, workshops and national conferences.

**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.

**Industry Certification/Concurrent Enrollment Credit Options:** This course offers Concurrent Enrollment credit through Tompkins Cortland CC. Students can earn industry certifications in Phlebotomy, Certified Nurse Assistant, Home Health Aide, Personal Care Aide, and American Red Cross First Aid and CPR certification upon completion of this course.

**Required Materials:** Students will need to purchase scrubs, shoes, and a watch for this course – estimated cost is \$50.00. Students are required to have completed a yearly physical exam and be up to date on all immunizations, including a flu vaccine and two PPD inoculations, in order to participate in the mandatory clinical rotations.

**College Majors/Career Opportunities in this Field:** Home Health Aide, Certified Nursing Assistant, Physical Therapy Aide, Phlebotomist, Registered Nurse, Respiratory Therapist, Emergency Medical Technician, Licensed Practical Nurse, Surgical Technician, Nutritionist, Physician Assistant.

### **SPORTS CONDITIONING & EXERCISE SCIENCE: 1<sup>st</sup> Year – PM Session & 2<sup>nd</sup> Year – AM Session**

**Course Description:** Students explore the science of human health through studying the systemic effects of exercise and cardio-conditioning, strength training, and on-going fitness assessment. Topics of study include: resistance work, aerobic and anaerobic conditioning, body fat loss/musculoskeletal gain, flexibility and mobility, nutrition and weight management, anatomy and physiology, and fitness safety. Students will design, implement, modify, track and update personal fitness training programs based on client individual needs and goals.

**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.

**Industry Certification/Concurrent Enrollment Credit Options:** This course offers Concurrent Enrollment credit through Tompkins Cortland CC. Students can earn American Red Cross First Aid, CPR and AED certifications, and they may be eligible to take the Certified Personal Trainer Exam through the National Academy of Sports Management (NASM) upon completion of the course.

**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.

**College Majors/Career Opportunities in this Field:** Recreational Therapy, Athletic Training, Sports Management, Physical Therapy, Coaching, Fitness Instructor, Certified Personal Trainer, Gym Manager, Chiropractor, Strength and Conditioning Coach, Orthopedic Technician, Recreation and Sports Director.

### **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 MIG, TIG, arc welding, and plasma cutting. Topics of study include: metallurgy, flame cutting, blueprint reading, set up and operation of drill press machine, and cutting and shearing techniques. Students will practice these methods on aluminum, stainless steel, and other materials. Students can

create unique designs by using the CNC (Computer Numerical Control) Plasma Machine or developing metal sculpture projects.

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

**Industry Certification/Concurrent Enrollment Credit Options:** Students can earn OSHA 10 Industry Certification upon completion of this course.

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

**College Majors/Career Opportunities in this Field:** CNC Operator, Tool and Die Maker, CAD Programmer, Welding Technician, Fabricator, Pipefitter/Steamfitter, HVAC Technician, Metal Sculptor, Underwater Welder, Boilermaker, Sheet Metal Worker, Plumber.

*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. Course descriptions are listed below:*

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

**Course Description:** This course 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. Topics of study include: percents, budgeting, earning income and paying taxes, simple and compound interest, credit cards and installment buying, home ownership, banking transactions, and finance. Students will examine current world economic conditions focusing on how these can impact their personal economic situations and learn how to apply mathematical principles to financial matters.

**Note:** This course satisfies one (1) credit of Math towards graduation. This course offers Concurrent Enrollment credit through Tompkins Cortland CC.

**PHYSICAL EDUCATION: Offered during 1<sup>st</sup> year and/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. Topics of study include: recreational sports, strength and flexibility, cardio-conditioning, and weight training. Students are required to wear sneakers for class.

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

**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. Topics of study include: concepts associated with physical science, scientific



process and investigation, and introductory chemistry. Students will conduct lab work that is related to science concepts taught through the different technical fields offered through Career and Technical Education.

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

## **NEW VISIONS PROGRAMS**

**Director: Ms. Cindy Walter**

**Principal: Mr. Kevin Casler**

**Phone: (607) 257-1551**

**Website: <https://www.tstbooces.org/newvisions>**

New Visions is an honors level program that offers seniors a non-traditional, academically challenging senior year. These programs are demanding and extremely rewarding for highly motivated, mature, responsible, and academically capable students. New Visions students acquire knowledge through independent and cooperative learning, both in the classroom and in the professional work setting. The New Visions programs are highly regarded by collegiate administrators as evidence of a student's motivation, intelligence, and desire for success.

New Visions students will divide their week between classroom theory and instructional days where students will discuss literature, global concerns, and science-related topics in an integrated academic learning environment. Students will work on projects independently and in groups, while attaining mandatory credits for graduation. In addition, students will participate in rotational experiences where they will work with professionals, graduate students, and college professors that work within their field of study.

The New Visions programs are held daily from 10:00am – 2:00pm daily at Cornell University or Cayuga Medical Center. Students receive high school credit for English 12 Honors, Participation in Government and Economics, two elective science credits, as well as Concurrent Enrollment credits from Tompkins Cortland CC. Students are expected to be professional, courteous and to strictly adhere to the guidelines set by their teachers and mentors.

Interested students must apply to their specified New Visions program during the early portion of the second semester of their junior year. Following the submission of the completed New Visions application, qualified students will be invited to participate in a formal interview. 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. Students who enroll in the New Visions Programs intend to pursue a competitive college or university upon graduation.

### **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 higher education, and eventually, a career in engineering. The program focuses on the study and application of physics and engineering concepts, along with on and off campus engineering experiences, plus integrated core academics that discuss applied topics related to engineering. The engineering experiences will include touring engineering labs throughout Cornell University, visiting local and regional engineering companies, participating in topical lectures from engineering faculty and experts, and working in the PARADIM material science labs. Students are actively engaged in engineering design challenges throughout the year that touch on every major branch of engineering - mechanical, electrical, environmental, genetic and chemical.

Students will receive integrated high school academic credits for the following courses: English 12 Honors, Economics/Participation in Government Honors, Fundamentals of Engineering, and PHSC 211 - Physics I: Mechanics and Heat upon completion of this program.

**Concurrent Enrollment Credits:** PHSC 211 - Physics I: Mechanics and Heat from Tompkins Cortland CC and Engineer Your World from University of Texas at Austin are earned upon completion of the program.

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

This exciting and challenging program is located at the Cayuga Medical Center in Ithaca. The curriculum immerses students into the healthcare field by engaging them in a combination of classroom learning and clinical rotations throughout the hospital, along with independent medical practices and health agencies in the community. Through daily involvement with medical professionals, students become more educated about individual healthcare professions. The students assist with patient care, learn laboratory and diagnostic procedures, and are treated as a competent healthcare provider. Students recognize the importance that every role plays in helping ensure quality patient care. New Visions students integrate their assigned reading, research and debates into their rotations to see first-hand how their education is applied to daily, real-life situations.

Students will receive integrated high school academic credits for the following courses: English 12 Honors, Economics/Participation in Government Honors, Health and Medical Sciences, and BIOL 131/132 - Human Anatomy and Physiology upon completion of this program.

**Concurrent Enrollment Credits:** BIOL 131 - Human Anatomy and Physiology I and BIOL 132 - Human Anatomy and Physiology II are earned upon completion of the program.

## **NEW VISIONS: LIFE SCIENCES/APPLIED SCIENTIFIC RESEARCH**

This unique, fun and innovative program is located at the Guterman Lab in the CALS Department at Cornell University. Students will explore numerous career opportunities in the science of agriculture, environmental research, food security, and national resources. Every student works closely with their New Visions teacher to design rotational experiences that allow them to explore their unique career interests and goals for the future. Rotational experiences take place in the veterinary hospital and numerous research laboratories on the Cornell University campus. These experiences can focus on horticulture, veterinary medicine, forestry, land and water conservation, outdoor education, agricultural business, sustainability, fishery-wildlife management, biological engineering, and/or environmental policy. The course is designed to attract students who are interested in life science and inquiry, and who are not afraid of working hard, both independently and with others, including professionals. Leadership opportunities are available in this class through the local chapter of the national student leadership organization, FFA (Future Farmers of America), where students participate in leadership training, workshops and national conferences.

Students will receive integrated high school academic credits for the following courses: English 12 Honors, Economics/Participation in Government Honors, Applied Scientific Research, and ENV5 110/111 - Food Systems upon completion of this program.

**Concurrent Enrollment Credits:** ENV5 110 - Food Systems Seminar I: Introduction to the US Food System and ENV5 111 - Food Systems II: Food Movements are earned upon completion of the program.

## **WORLD OF WORK PROGRAMS**

**Director: Ms. Cindy Walter**

**Principal: Mr. Kevin Casler**

**Phone: (607) 257-1551**

**Website: <http://tstboces.org/cte>**

The World of Work program assists 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. 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. World of Work classes are offered in the AM and PM for a minimum of two hours each day.

**CAREER EXPLORATION PROGRAM (Grades 11 & 12): AM or PM Session**

The Career Exploration Program (CEP) 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. Most CEP students have taken Food Services and/or Outdoor Recreation Services prior to enrollment in this course. Students will have the opportunity to participate in non-paid internship experiences during the school year. These work experiences are based on the student's interests and abilities, and individual progress is closely monitored and evaluated. Transportation is provided to and from the work site. Students work directly with a job-site mentor (an employee), learning general and technical job skills in the field, and students receive a written work evaluation at the end of each internship.

**FOOD SERVICES (Grades 9 – 12): AM or PM Session**

The Food Services Program 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**

The Outdoor Recreation Services Program exposes students to a wide range of job skills and employability experiences. The curriculum has a heavy emphasis on the repair and maintenance of small engine power equipment, including: ATV's, lawn mowers and chainsaws. Students will also be working with aspects of traditional agriculture mechanics, such as: MIG Welding, basic framing, plumbing, wiring, and tractor operation and maintenance. Woodworking and basic construction skills are developed throughout the curriculum.