Dneida-Herkimer-Madison BDCES Career & Technical Education Center

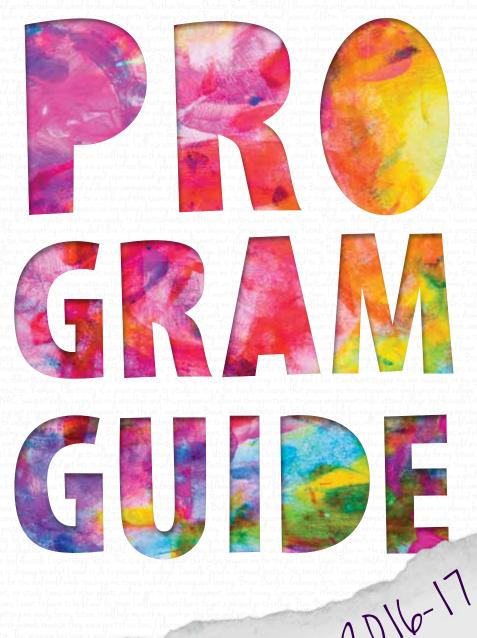




TABLE OF CONTENTS

- 2 | 3 Advertising Design & Multimedia Productions
- 4 | 5 Animal Science
- 6 | 7 Auto Body Repair
 - 8 Auto Body & Auto Technology Occupations
 - 9 Automotive Technology NATEF
- 10 | 11 Conservation
- 12 | 13 Construction Trades
- 14 | 15 Cosmetology
 - **16** Criminal Justice
 - 7 Culinary Arts
- 18 | 19 Early Childhood Education
- 20 21 Electricity & HVAC
- 22 23 Emerging Technologies & Cyber Security
- **24 | 25** Food Service Occupations
 - 26 MiTech
 - Multi-Occupations
 - **18** New Visions Business Management
 - 29 New Visions Communications
 - **30** New Visions Education
 - New Visions Engineering Technology
 - New Visions Health Professions
 - New Visions Legal Professions
 - New Visions Nanotechnology
 - 35 New Visions Performing Arts
- **37** New Visions Veterinary Science
 - 38 Nurse Assistant
 - 39 Outdoor Power
- 40 | 41 P-TECH
- 42 | 43 Welding
 - **44** School-to-Career Programs
 - **45** Work Experience Programs
- 46 | 47 CTEC Program Credits
 - 48 Clubs & Activities
 - 49 Scholarships & Awards
- 50 | 51 CTEC Open House



Message from the Principal

What can the Career & Technical Education Center offer you?

Businesses today need trained and skilled employees. Universities require students to be educationally prepared. The need for students who are college and career ready is so great that businesses and educational institutions have taken this message to schools everywhere in order to develop graduates with appropriate work skills and knowledge. CTE students follow career pathways linking high school learning with college degrees, industry recognized certifications and connections between what is learned in the classroom and expectations in the employment field.

In 1948, the Oneida-Herkimer-Madison BOCES began its mission to educate students in various pathways for high school graduation. In 2013, we celebrated 65 years of preparing students to become technology leaders of the future. We have maintained active partnerships with the business community through our Advisory Council and program consultant committees. Our educational staff, area businesses, students and parents work together as a team to provide a meaningful educational experience for all of our students. This career and college readiness preparation includes on the job internship experiences, program instruction aligned to college curricula and college credit integration opportunities for students in traditional programs who meet select criteria.

Every year we conduct a student survey to assess where our students are employed or attending college. In the past three years, nearly 96 percent of graduates have reported successful outcomes including gainful employment in their program field or post-secondary studies at a variety of technical schools, colleges and universities.

In addition to the career and technical programs and integrated academic courses that OHM BOCES offers, we also provide New Visions courses that allow seniors to go on-site at participating businesses to learn about the field. More information about New Visions programs can be found in this publication.

If you are interested in a challenging and hands-on education, we invite you to look through these pages to learn how a career and technical education can be the key to your future.

David Stayton



Career & Technical Education Center

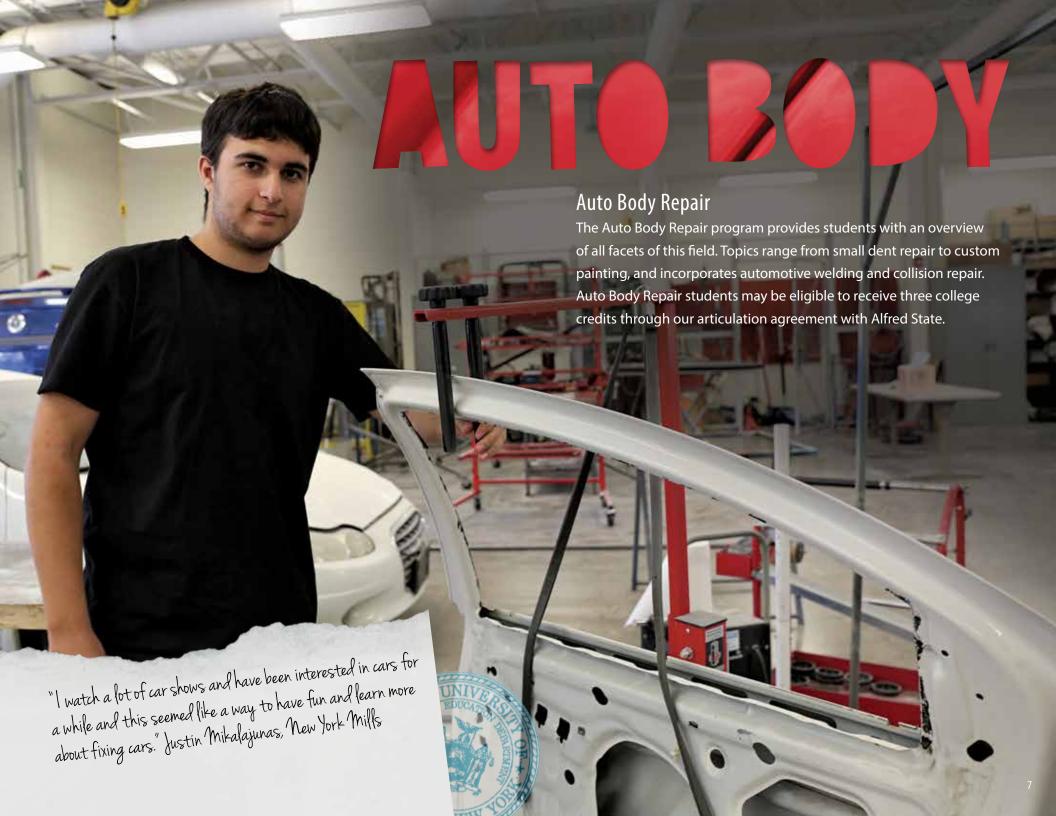
Career and Technical Education Center programs are offered to high school juniors and seniors and focus on preparing students for employment, careers or post-secondary education through the development of 21st century skills. If a student does not wish to enroll in a program for two years, he or she has the option of enrolling in a program for one year.

Students attend one-half day at the Career and Technical Education Center, or internship site, and one-half day at their home schools. Working with state-of-the-art equipment, students apply theory to a wide range of real life work assignments in the Center's shops and laboratories. Positive employment attitudes, job seeking skills and familiarization with related career opportunities are emphasized in addition to college and career readiness.

If you would like more information about Career and Technical Education programs, contact your guidance counselor or the Career and Technical Education Center at 315.793.8666.







AUTO OCC

Auto Body & Auto Technology Occupations

This program provides instruction and skills needed to be employed in the automotive industry. Students receive theory instruction as well as hands-on instruction in basic automotive services, including auto body. Students work on vehicles as they learn skills that will transfer to a real job setting.

AUTO TECH

Automotive Technology NATEF

Students in this NATEF-certified program learn to diagnose, service and repair many different systems in today's vehicles. Areas of study include electrical, electronic, brake, suspension and steering systems. Students also learn about computerized engine controls, engine performance, emission controls, wheel alignment and how to perform New York state vehicle inspections. Students in the Automotive Technology program may be eligible to obtain between three and six college credits from Alfred State, Fulton Montgomery Community College or SUNY Delhi through articulation agreements.



"I decided to come to the Auto Technology class because I like cars. I want to learn to build and fix them. I will use what I learn to get a job and go to college." Puan Myo Aung, Utica









science including crime scene investigation, anthropology, hair and fiber analysis, soil analysis, blood spatter analysis and practical, handson activities. Students in the Criminal Justice program may obtain between three and six college credits from Bryant & Stratton, MVCC, Fulton Montgomery Community College or Schenectady County Community College through articulation agreements.

"We have fun while learning and this class is showing me what I need to do to prepare for college." Danielle Spudie, Westmoreland

Culinary Arts

This program is designed for students interested in becoming commercial cooks for restaurants, hotels, hospitals or catering services. Cooking, menu planning, management skills, sanitation and safety practices, and table service are covered. Students receive practical experience preparing lunches, dinners and banquets. They also participate in a local internship. The program follows the ProStart curriculum, which is written by the National Restaurant Association. Eligible graduates of the program may secure college credits from institutions including Alfred State, Culinary Institute of America or SUNY Cobleskill through articulation agreements.

"I want to enter the restaurant industry and this class will prepare me for the real world while teaching me topics including serving and cooking." Brian Burdick, Whitesboro



Electricity & HVAC Electricians install, maintain and troubleshoot electrical systems and equipment in

homes, offices, institutions and industrial plants. Students learn residential, light commercial and industrial wiring through a variety of hands-on activities and projects. During the second year of the program, students also receive instruction in Heating, Ventilation and Air Conditioning (HVAC). Students in the Electricity & HVAC program may obtain between three and six college credits from SUNY Delhi, Alfred State or Fulton Montgomery Community College through articulation agreements.

"Electricity is a great program to
"Electricity is a great program to
study as it's a fun, hands-on course that
study as it's a fun, hands-on course that
grepares me for employment and college."

Tim Hench, Sauquoit Valley

Tim Hench,

"Emerging Technologies is interesting because we are always learning new things about computers." Brittany Leo, Notre Dame

Emerging Technologies & Cyber Security

This two-year course teaches computer repair and basic networking fundamentals. During the first year, students will learn hardware and software installation, end user support, trouble shooting, telecommunications protocols and network support. Second-year students will learn advanced networking technologies and gain exposure to the field of information system security including issues faced by homes and businesses, the types of damage they may cause and prudent security measures to counteract them. Second-year students work with materials developed in conjunction with Utica College's Cyber Security program. Students will learn basic terminology involved in cyber security, describe various threats and identify potential technologies to combat these threats. With further training and experience, students completing this program have the opportunity to take certification exams in A+, N+ and Security+. Eligible graduates of the program may secure up to nine college credits from USC The Business College through articulation agreements.

Notre Dame

EMERGINGTECH







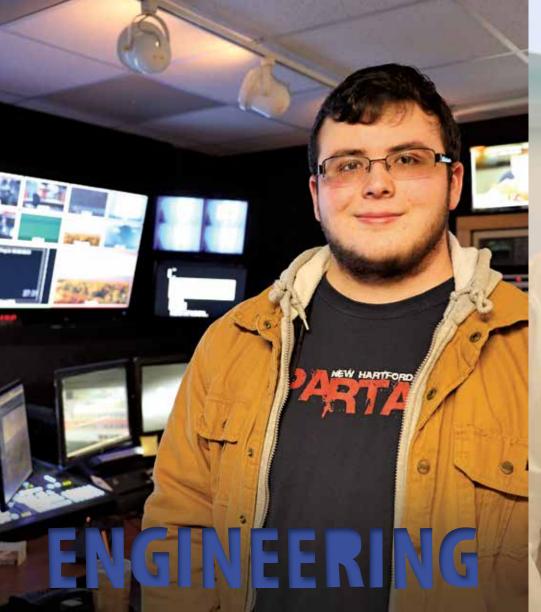


New Visions (Seniors Only) Communications

The New Visions Communications program gives college-bound students the opportunity to work in a variety of communications settings, including public relations, marketing, journalism, television and radio. This program is designed to integrate English and social studies into the curriculum through a variety of learning experiences.

New Visions (Seniors Only) Education

The New Visions Education program provides college-bound students avenues to explore all aspects of the education profession. Through internships, students will get to see first-hand what administrators, teachers, social workers, school psychologists, school counselors and other related staff do on a daily basis. Instruction in the history and philosophy of education will be included in the curriculum in addition to English and social studies.



New Visions (Seniors Only) Engineering Technology

New Visions Engineering Technology is an innovative program that gives college-bound seniors an in-depth look at different areas of engineering as they work with professionals in the field. This program is designed to integrate English and social studies into the curriculum through a variety of learning experiences.

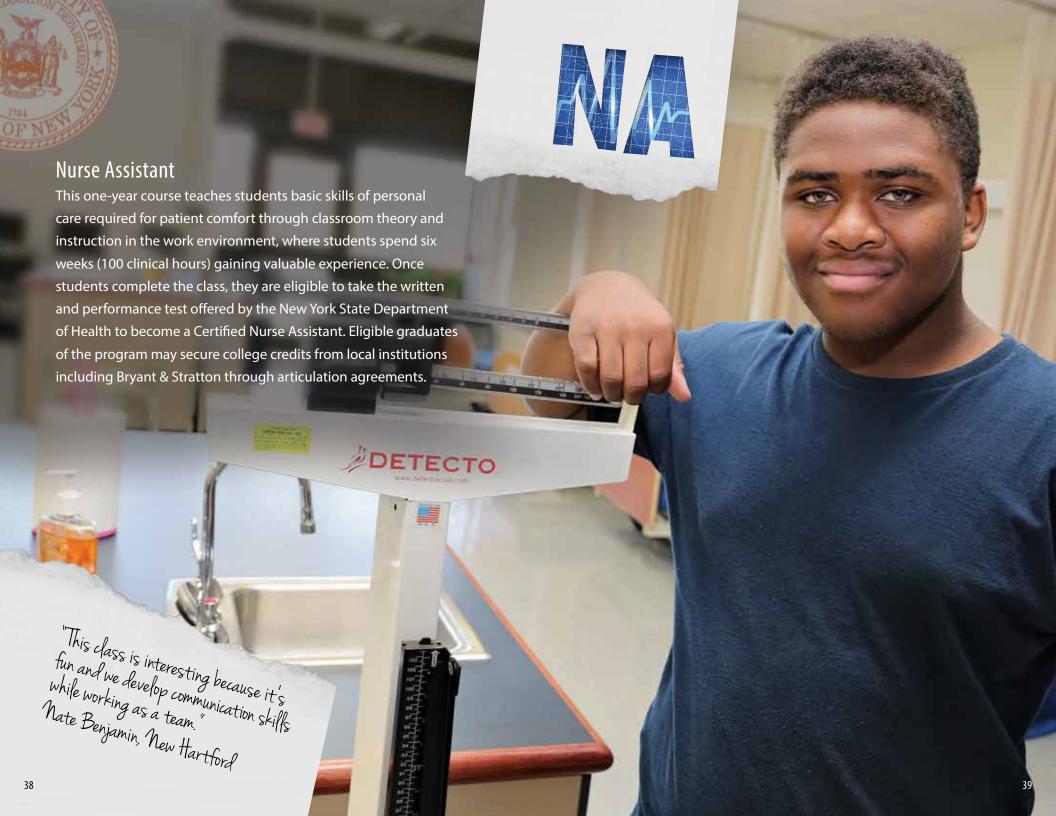
HEALTH PROFESSIONS

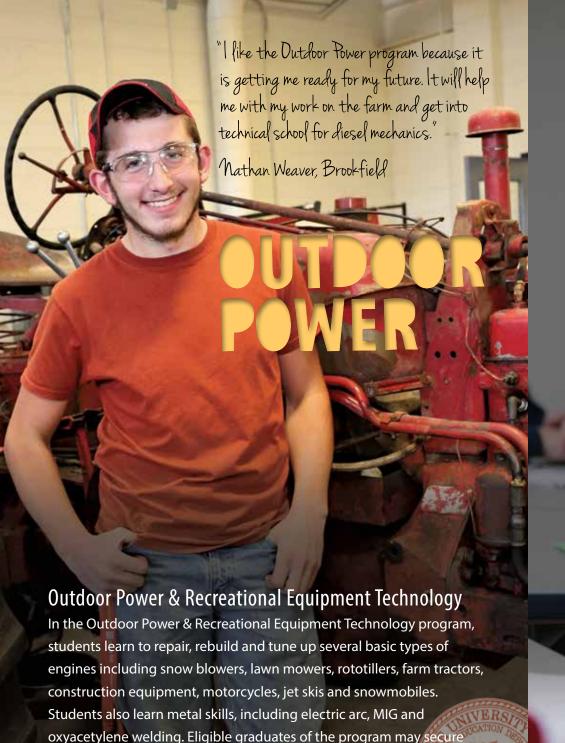
New Visions (Seniors Only) Health Professions

The New Visions Health Professions program is open to seniors who plan to enroll in college to study a health-related field. Students in the program explore a variety of health occupations on site at Faxton-St. Luke's Healthcare, as well as other health facilities. Students develop competencies useful in a wide range of careers within the health field; they also earn credit in English and social studies.









college credits from SUNY Cobleskill through articulation agreements.

P-TECH

Pathways in Technology Early College High School

Pathways in Technology Early College High School (P-TECH) is entering its second year offering an integrated high school and college curriculum focusing on science, technology, engineering and mathematics (STEM) while also providing workplace skills including leadership, communication and problem solving. This program will initially enroll freshman in a flexible (four-, five-, or six-year) program combining academic rigor and career focus with graduates earning a high school diploma and an accredited associate's degree. Students will experience internships with P-TECH business and industry partners and, upon graduation, will be regarded as viable candidates for employment with these partnering agencies. Enrollment for this program will be conducted through an application process as detailed in the P-TECH grant guidelines.



Welding Welding students learn to construct and repair equipment, machinery, parts and piping by fusing metal parts together. Students follow layouts, blueprints, work orders and verbal directions using oxyacetylene, MIG, or arc welding apparatus. When prepared, students can take a test required for specific welding certifications. Eligible graduates of the program may secure college credits from Alfred State or MVCC through articulation agreements. "This is a great program that helps prepare me for the job I want." Logan Beach, Waterville

SCHOOL-TO-CAREER PROGRAMS

The School and Business Alliance utilizes several career development strategies to assist students in making successful transitions from school to post-secondary studies to a successful career: career shadowing, business speakers and tours, college tours and summer work opportunities.

The Regional Program for Excellence internships offer highly motivated high school juniors and seniors opportunities to explore their career choices in a work setting with respected professionals. Students complete 75 hours by receiving release time from their classes to meet with mentors for a weekly three-hour block or during summer months.

Tech Prep offers the opportunity for students to take challenging, real-world coursework in high school. By completing a four-unit sequence in technology, business or healthcare, students build the skills needed to be successful in both college and work.

WORK EXPERIENCE PROGRAMS

Internships

During school hours, a student may be assigned to observe and participate in a variety of activities related to his/her curriculum at an off-campus site. Students do not receive wages and may not replace a paid employee.

New Visions Internships

Students in the New Visions program spend four days a week in workplace internships in the business management, communications, education, engineering technology, health, legal, nanotechnology, performing arts and veterinary science fields. One day each week is spent in the classroom working on related curriculum projects, listening to guest speakers, or taking virtual field trips.

Direct Job Placement

The Career and Technical Education Center works closely with area businesses to identify students who are prepared for direct job placement, for either full- or part-time work, or summer employment.

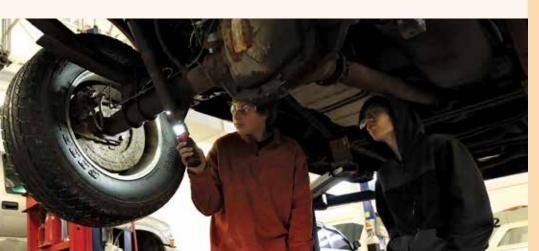
CTEC PROGRAM CREDITS

Regents Diploma with a Technical Endorsement

Most Career and Technical Education programs at the Oneida-Herkimer-Madison BOCES are approved by the State Education Department. If students successfully complete the CTE program, complete 22 units of high school credits, pass the five required Regents examinations, and pass a technical assessment (which is part of the CTE program), students are eligible to receive the Regents diploma with a technical endorsement.

High School Credit

For each successfully completed year, you can receive four credits. For a one-year program, you can receive four Career and Technical Education (CTE) credits or three CTE credits and, with home school approval, one credit of English 12. In the one-year Nurse Assistant program, students can also receive a credit in science. For a two-year program, you can receive eight credits. These can be eight CTE credits or (with home school approval) five, six, or seven CTE credits and up to three academic credits including English 12, math, and science. See your high school counselor for more information.



College Credit Integration

All of the New Visions programs offer three college credits from MVCC for English 101. This is at no cost to students. Seniors in Conservation can pay a reduced fee and be eligible to receive three college credits from SUNY Morrisville in their Environmental Science (ENSC 100) course. Also, students in traditional programs may have the opportunity to obtain six college credits in their junior year (Introduction to Business and Principles of Marketing) and an additional six credits (Computer Applications and Concepts I and Personal Finance) in their senior year.

Articulation

Through articulation agreements between a post-secondary institution and the Oneida-Herkimer-Madison BOCES, students may gain advanced standing in certain programs and, for others, actual credit for a college-level course. The terms of the articulation generally include the following: students must have completed the BOCES course within the past school year, maintained a B average or better, demonstrated excellent attendance and received recommendation from the BOCES instructor. For more specific information, contact the BOCES guidance department at 793.8618 or 793.8660. All Career and Technical Education programs have established articulation agreements with local colleges and trade schools.

Established articulation agreements exist at:

Baran Institute of Technology \cdot Bryant & Stratton \cdot Fulton-Montgomery Community College \cdot Herkimer County Community College \cdot Mohawk Valley Community College \cdot Nashville Auto-Diesel College \cdot Paul Smith's College \cdot Schenectady County Community College \cdot SUNY \cdot Conton \cdot SUNY \cdot Cobleskill \cdot SUNY \cdot Delhi \cdot SUNY \cdot Morrisville \cdot The Art Institute of Pittsburgh \cdot The Culinary Institute of America \cdot Utica School of Commerce

CLUBS & ACTIVITIES

Skills USA

Skills USA offers leadership and citizenship development to complement the CTE student's skill training. Members may also participate in local, state and national Skills USA competitions.

FFA Conservation Club

The National FFA organization is the oldest vocational organization in the United States and is recognized by the federal government as an important part of vocational education. FFA promotes leadership development through activities that benefit students and the community. Students gain valuable leadership experience toward success in the workforce. Membership is open to any BOCES CTE student.

Advisory Council Representatives

At the Career and Technical Education Center your opinions count. To make sure student perspectives are heard and considered when important decisions are made, two students are selected each year as members of the Career and Technical Education Advisory Council. These students attend all council meetings and actively take part in all discussions.

Honor Society

Each May, outstanding students are inducted into the Career and Technical Honor Society. They are students who have shown excellent academic achievement in their Career and Technical program, good attendance, active participation in organizations, and a serious interest in a vocational or technical field. All students, including adult students, are eligible if they meet the requirements.

SCHOLARSHIPS & AWARDS

OHM BOCES Career and Technical Education students are eligible to compete for several scholarship and awards thanks to the generous contributions of the following sponsors:

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American Legion Utica Post #229

Aramark Corporation

Babe's

Bon Appetit

BPO Elks Utica Lodge 33

David Beck Auto Body

Burmax Co., Inc.

CTEC Honor Society

Cameo Beauty Supply

Carbone Automotive Group

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Sam Cavo Award

Cazenovia Equipment Co.

Celia Construction

Centrex Clinical Labs

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Cris Lewis

MVCC Foundation

McQuade & Bannigan, Inc.

Mohawk Valley Counselors' Association

Mohawk Valley Network

Mohawk Valley School Resource

Officer Coalition

Murnane Building Contractors

NAPA Auto Supply/Volvo Auto Supply

New York State Woodsmen's Field Days

Ninety-Nine Restaurant

Northern Safety

OHM BOCES Teachers' Association

OPI

O'Connell Electric

Oneida County Law Enforcement Coalition

Price Chopper Supermarkets

Sally's Beauty Supply

Skills USA

Slocum Dickson Foundation

Stiefvater Distributors, Inc.

Symeon's

SYSCO

UNO Chicago Grill

Upstate Office Equipment

Utica School of Commerce Advisory Board

Utica School of Commerce

Utica Valley Electric

Utica Zoo

Whitesboro Fire Department

Whitesboro Frame & Body, Inc.

Whitestown Assn. of American Veterans

Whitestown Assn. of American

Veterans Auxiliary

Whitestown Sons of the American Legion

Wood Creek Reptiles

Zebb's Deluxe Grill & Bar





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