

2020-2021  
High School Catalog

*Skills for Success*

**Excel TECC**  
Technical Education Career Consortium

# WELCOME

Greetings TECC Families:

Students, do you want to receive true hands-on learning for two years within a particular academic area that will immediately prepare you for college or a career of your choice? Do you like to meet students from other schools and spend half of your day on a college campus? Parents, do you want for your sons or daughters to earn college credits while in high school, have workplace internships, be immediately employable upon graduation and be college-ready? Do you want your sons or daughters to receive authentic experiences that are only reserved for college students and professionals? If the answer was yes to any of the aforementioned questions, then Excel TECC is the right place for you!

The Excel Technical Education Career Consortium programs are designed to provide expanded and additional educational options for all students. Our students represent a new wave of career technical education where schools are sending their best and brightest students to our various programs. We have 25 unique career technical programs spread over numerous career pathways and our results speak for themselves. Excel TECC has been recognized as the premier career technical education compact in the state of Ohio by Achieve. Over the past five years, students who have graduated from Excel TECC programs have earned over 50 million dollars in scholarship monies to colleges and universities. In fact, Excel TECC programs have over 900 college credits available to them through tech prep agreements and career technical credit transfer. Through their memberships in state Career Technical Student Organizations, our students competed and won state championships and qualified for national competitions. Finally, over 95% of our graduates go on to college, are immediately employed or enter the military. Please peruse through this catalog and find out which is the best designed program for your ultimate success beyond high school. Our teachers bring years and years of experience to our students and truly prepare them for the next step in their lives. I am proud to be a part of this school and would be happy to personally speak with you should you have questions about our programs. Make the right choice. Choose Excel TECC for your future!



Nathan Bishko  
Director, Excel TECC



## **Excel TECC** **Technical Education Career Consortium** **Administration**

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# TABLE OF CONTENTS

Terms to Know .....	2
General Information .....	3-4
Student Services .....	5
Student Clubs/Organizations .....	5
College-Career Pathways .....	6
Program List-Alphabetical .....	7
Programs by Career Fields:	
Arts & Communication.....	8-10
Digital Arts & Technology	
Performing Arts Academy	
Studio Art & Design	
(See also Interactive Media in IT Career Field)	
Business & Administration/Hospitality .....	11-13
Business Academy	
Culinary Arts	
Marketing	
Construction Technologies/Manufacturing.....	14-15
Construction Trades	
Welding Technologies	
Education & Training .....	16
TEACH-Teacher Education And Children’s Health	
Engineering / Transportation .....	17-19
Auto Collision	
Automotive Technology	
CADD Engineering Technology	
Environmental & Agricultural .....	20
Environmental Education	
Health Sciences.....	21-25
Allied Health	
Exercise Science & Sports Rehabilitation	
Licensed Practical Nursing	
Medical Assisting	
Medical Technologies	
Human Services/Public Safety .....	26-27
Cosmetology	
Fire/EMS Training Academy	
Information Technology .....	28-29
Interactive Media	
ITP - Information Technology & Programming	
Intervention Programs .....	30
How To Apply .....	31
CTE Info .....	32
Excel TECC Staff.....	33
Staff Biographies .....	34-40
Excel TECC Consortium Schools.....	41

# TERMS TO KNOW

## Career Technical Education

Career Technical Education is high school and college education that provides students with:

- \*Academic subject matter taught with relevance to the real world, often called contextual learning;
- \*Employability skills, from job-related skills to workplace ethics;
- \*Education pathways that help students explore interests and careers in the process of progressing through school.

## Career Technical Planning District (CTPD)

A Career Technical Planning District is a geographical service area that provides students with career technical program choices within the high school curriculum. The Excel TECC CTPD consortium is made up of ten school districts: Aurora, Beachwood, Chagrin Falls, Mayfield, Orange, Richmond Heights, Solon, South Euclid-Lyndhurst, West Geauga and Willoughby-Eastlake. Career technical programs are housed at a number of Excel TECC high schools and other sites. The **home school** is the student's district of residence, regardless of attendance at a program at another site.

## Career Fields/Clusters

A career field is a "grouping of occupations and broad industries based on commonalities" (Source: National Career Cluster Initiative). This concept is the basis for developing both broad-based and specialized technical content standards that serve as a framework for curriculum, instruction, assessment and program design addressing the needs of an entire industry/business sector. Ohio career fields include: Arts & Communication, Business & Administration, Construction Technologies, Education & Training, Engineering, Environmental & Agricultural, Health Sciences, Hospitality, Human Services, Information Technology, Manufacturing, Public Safety, and Transportation.

## College Credits: Tech Prep & CT<sup>2</sup>

College Tech Prep blends college prep and technical education into an exciting program that helps students prepare for high-tech careers and helps employers obtain better-prepared workers. College Tech Prep programs provide a seamless curriculum pathway beginning in the 11th grade and continuing through a two-year associate degree program and/or further education at a four-year degree institution. Career-Technical Credit Transfer (CT<sup>2</sup>) guarantees transferability of credits from Ohio high school/adult workforce career-technical programs to Ohio public two-year and four-year institutions. Requirements for attaining college credit are specific to each career technical course. Excel TECC also has direct articulation agreements with Kent State University and the University of Akron. Some programs may have additional agreements with specific colleges/universities.

# Q & A: GENERAL INFORMATION

**Q:** What are the requirements for admittance to the career technical school?

**A:** Students should be enrolled through their home high school and be in the process of completing the graduation requirements for their home school.

Most of the regular career technical programs are two-year courses of study.

**Q:** Is transportation available to and from the career technical programs?

**A:** Bus transportation is available to and from the home school. A car is necessary for students to participate in cooperative programs where they work part-time.

**Q:** Can I participate in extracurricular activities such as athletics and band at my home school?

**A:** If the activities take place before or after school, you are free to participate and accommodations are made on an individual basis.

**Q:** How can I be selected for a career technical program?

**A:** Students must first complete an on-line application form. This form should be submitted in December preceding the school year the student wishes to enroll.

The student will be interviewed by the particular career technical program instructor in January.

**Q:** What high school will I graduate from?

**A:** Students earn a diploma from their home school, even though they may attend a technical program in another high school.

**Q:** What do I receive upon completion of a career technical program?

**A:** Students receive a certificate upon successful completion of a career technical training program. Students receive industry certification in certain programs. Students in all non-referral programs can receive college credits - Tech Prep or CT<sup>2</sup> - on completion of Agreement requirements.

# Q & A: GENERAL INFORMATION

**Q:** When will I get practice work experience out of high school?

**A:** Depending on the career technical program, qualified students are placed on jobs during their senior year. Students in cooperative programs work throughout their senior year on a part-time basis and earn high school credit.

**Q:** How much does it cost to take a career technical program?

**A:** The tuition for a program is paid by your home school district. You will be responsible for fees for most programs to cover supplies, equipment and/or uniforms.



**Q:** If I take a career technical program in high school, can I still go to college?

**A:** Combining college with career technical training gives students the best of both worlds in preparing for a career. Over 70% of our technical students go on for additional training in a two- or four-year college.

Students need to work closely with their home school counselors to select the proper academic courses in conjunction with their career technical training. Universities will admit students with career technical training just like any other student, provided the student has completed the necessary “college prep” courses.

**Q:** What are opportunities for me upon graduation?

**A:** Over 95% of Excel TECC career technical education graduates are enrolled in college/university, employed or entered into military service within one year of graduating.

Excel TECC does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding the non-discrimination policies:

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# STUDENT SERVICES

## Guidance and Counseling

Guidance and counseling services are available to students and parents during school hours by appointment at each school in the Excel TECC consortium.

Counselors provide services to help students and parents select the appropriate program, develop a career plan and help with personal problems. The counselor's door is always open to parents and students who have questions or seek advice.

## Career Development

The Career Development Program assists school personnel and students in career education and serves students K-12 in the consortium school districts. Career Specialists are in place in all our consortium high schools/districts.

## Post Secondary

Teachers work with students on activities to prepare for the world of work and/or further training. These activities include preparation of resumes, job and college applications and interviewing skills.

College Tech Prep programs lead directly into two-year associate degree programs or can be applied to four-year degree programs. CT<sup>2</sup> college credits transfer to all Ohio public colleges and universities.

## Specialized Technical Training

Excel TECC provides a full range of technical training and support services for special education students. Educators from the sending school districts, the Cuyahoga East Vocational Education Consortium (CEVEC) and Excel TECC work together with students and parents to determine the appropriate technical program for each student. The Vocational Special Education Coordinators (VOSE) facilitate placements, monitor student progress and assist students with the transition from school to work or further training.

# STUDENT CLUBS/ORGANIZATIONS

An important part of training in career technical education takes place in youth organization activities. Students in all programs belong to organizations that have regional, state and national affiliations. Club activities center around skill competitions which provide motivation to achieve at a high level and promote leadership and interest in professional pursuits.

- **DECA** -DECA is an international organization of marketing students. The students are involved with volunteering, fundraising and competitions on district, state and national levels.
- **Educators Rising** -Educators Rising cultivates highly skilled educators by guiding young people on a path to becoming accomplished teachers, beginning in high school and extending through college and into the profession.
- **FCCLA - Family, Career and Community Leaders of America**  
FCCLA promotes personal growth and leadership development through family and consumer sciences education; members develop skills for life through: character development; creative and critical thinking; interpersonal communication; practical knowledge and vocational preparation.
- **FFA** -This organization prepares for careers in agriculture. FFA is an active organization that includes chapter meetings, group activities, judging/skill contests and community involvement.
- **HOSA** -A national career-tech organization for students enrolled in health occupation programs. HOSA [Health Occupations Students of America] promotes career opportunities in the health care industry through leadership and student recognition.
- **Junior Achievement** -JA is an organization dedicated to educating students about workforce readiness, entrepreneurship and financial literacy through experiential, hands-on programs. JA works as a partnership between the business community, educators and volunteers.
- **SkillsUSA** -SkillsUSA partners students, business, industry and educators. The organization gives students opportunities to be involved with business and industry to learn first-hand from the real world of work and polish their employability and technical skills.
- **NTHS** -The National Technical Honor Society is open to all students enrolled in a career technical program and is based on outstanding scholarship, character, leadership, and service. Students complete an application which is reviewed by committee to determine if criteria has been met.



# COLLEGE-CAREER PATHWAYS

**Career Pathways** – Series of academic, technological and career-focused coursework and other educational experiences leading to a career specialty, college major and employment in a career field.

College-bound students need to plan their 4-year high school schedules carefully so they meet college entrance requirements and still have room in their schedule for an Excel TECC program. The pathway demonstrated below shows an example of a sequence of courses that will achieve this goal. The actual year in which a course is taken and the actual names of required courses and available electives will vary with the student’s high school. There also may be additional required courses unique to individual high schools.

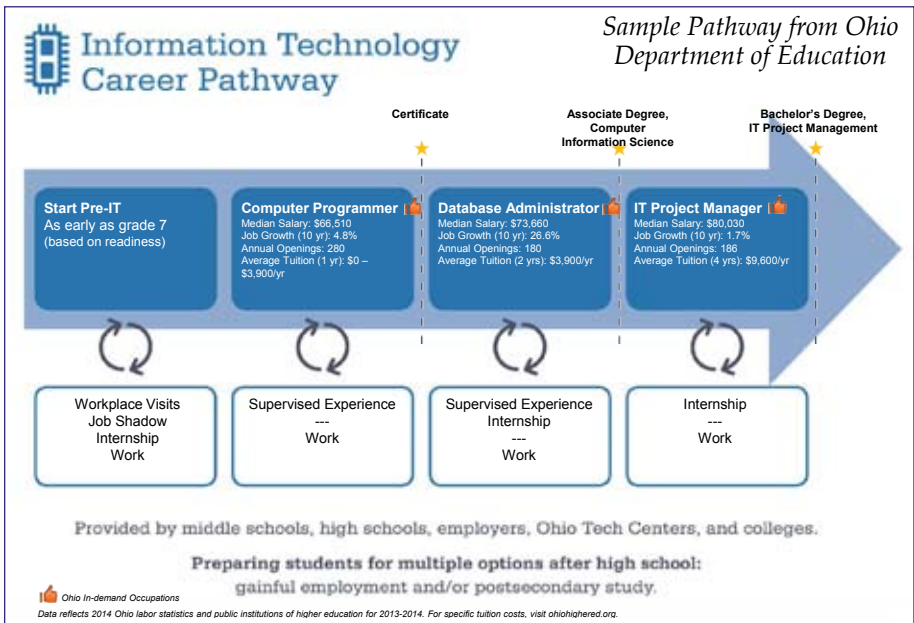
## Sample Excel TECC-College-Career Pathway

9th Grade	10 Grade	11th Grade	12th Grade
English 9 Algebra I Biology with Lab World History Phys Ed/Health  Electives: [choose] Foreign Language, Arts, Technology, Business, Family & Consumer Science	English 10 Geometry Chemistry with Lab American History Phys Ed/Health  Electives: [choose] Foreign Language, Arts, Technology, Business, Family & Consumer Science	English 11 Algebra II Government/Econ  Elective: Excel TECC program in career interest area	English 12 Physics with Lab Advanced Math  Elective: Excel TECC program in career interest area

*Courses in purple are recommended by Ohio Higher Ed to ensure admission to state colleges and universities in Ohio.*

**Successful Completion of this Pathway may lead to:**

- Community College Options
- Baccalaureate Degree Options



For more information go to:

- <http://education.ohio.gov/Topics/Career-Tech/Career-Connections/Career-Pathways>
- <http://www.cord.org>



# EXCEL TECC PROGRAMS

(Alphabetical)

## Two-Year Programs -- Junior Entry

*(Prerequisite: for all programs\* - Interview by Instructor; By program start date student must have completed coursework required for junior status at home school including seven [7] credits with a mandatory two [2] credits each earned in English and Mathematics; Attendance and discipline records are considered)*

Allied Health .....	21
Auto Collision .....	17
Automotive Technology .....	18
Business Academy .....	11
CADD Engineering Technology .....	19
Construction Trades .....	14
Cosmetology .....	26
Culinary Arts .....	12
Digital Arts & Technology .....	8
Environmental Education .....	20
Exercise Science & Sports Rehabilitation .....	22
Fire/EMS Training Academy .....	27
Interactive Media .....	28
Intervention Programs .....	30
ITP - Information Technology & Programming .....	29
Licensed Practical Nursing .....	23
Medical Assisting .....	24
Medical Technologies .....	25
Performing Arts Academy .....	9
Studio Art & Design .....	10
TEACH-Teacher Education And Children's Health .....	16
Welding Technologies .....	15

\*Except Intervention Programs

## One-Year Program -- Senior Entry

*(Prerequisite: Interview by Instructor; By program start date student must have coursework required for senior status at home school including a mandatory three [3] credits each earned in English and Mathematics; Attendance and discipline records are considered)*

Marketing .....	13
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### NOTES:

- Articulation credits are subject to change depending on Agreement reviews and are awarded according to student's completion of Agreement requirements
- Career Opportunities listed under each program may require additional post-secondary education or technical training.

# ARTS & COMMUNICATION

## DIGITAL ARTS & TECHNOLOGY

*Two-year: GRADES 11-12*

*Site: Aurora High School*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Recommendations: enrolled in College Prep English*

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each; Senior year includes Internship)*

Digital Arts and Technology teaches photography, video production and cinematography to students who may be interested in a career in the media industry. Juniors learn business and technical skills through hands-on experiences. The senior year provides a unique professional opportunity in which students intern outside of school with local businesses three days a week. Today's businesses are in need of a consistent professional online content. Whether a business needs photos and video for their website, social media assistance or commercials, businesses need people who know how to communicate and tell visual stories. We show students what it takes to go to work for a company as well as what is involved to start as a small business. Our Apple iMac lab comes with the full Adobe Creative Cloud, including Lightroom, Photoshop, Premiere and After Effects. Students receive a copy to use at home during their two years in the program. Students will learn to take professional photos, in and out of the studio and apply this skill towards multiple careers, not limited to only studio photography. Video and cinematography are taught so that students can become effective story tellers, and apply their skills toward the film industry or go to work making videos for a video production company. This class is designed so that dedicated students who are driven can take advantage of all opportunities provided, which will help grow their professional network that will help them for years to come.

### **Program Content**

- Professional Photography
- Camera & Video Techniques
- Editing video photos
- Connecting skills to available jobs

### **COURSES:**

- Arts & Communication Primer
- Business of Arts & Communications
- Digital Image Editing
- Digital Cinema

### **ARTICULATION:**

- Kent State University-up to 12 credits
- CT<sup>2</sup>-up to 3 sem hrs/all OH public colleges

### **CERTIFICATIONS AVAILABLE:**

- Adobe Certified Expert Photoshop CC
- Adobe Certified Expert Premiere Pro CC 2015

### **Career Opportunities**

Video Production	Director
Audio Engineer	Photographer
Cinematographer	Marketing
Graphic Designer	



# ARTS & COMMUNICATION

## PERFORMING ARTS ACADEMY

*Two-year: GRADES 11-12*

*Site: Chagrin Falls High School*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Prerequisite: An audition and interview is required for admittance.*

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

The Academy for the Performing Arts provides talented high school juniors and seniors with a joyful, challenging and inspiring training experience in the theatre; an educational and performance-based experience that builds confidence, courage and mastery in creative self expression preparing students for high-level college and professional opportunities.

The Academy offers two-tracks of training:

- *Performance Track* - For actors, directors, singers, dancers, choreographers and playwrights
- *Technical Track* - For set, costume, lighting and sound designers. For technical directors, stage managers, and all backstage skills required in the professional theatre.



### **Program Content**

#### CLASSES FOR JUNIORS

- Voice & Speech for the Stage; Stage Combat; Movement for the Stage; History of Theatre; Intro to Tech Theatre; Intro to Design
- The Etiquette of Theatre; Acting: (Stanislavsky) 4 Quarters; Acting: Sensory ; Acting: Clown; Acting: Technique

#### CLASSES FOR SENIORS

- AP (Advanced Professional) College and Preparatory Training; Audition (BFA CANDIDATES); Improvisation; History of Film; Voice for the Stage; Movement for the Stage
- Movement: Tai Chi; Acting: Shakespeare; Acting for the Camera; Advanced Make-up; Stage Combat

#### CLASSES FOR TECH STUDENTS

- Set Design; Tech Practicum; Advanced Makeup; College Prep / Portfolio Web; Lighting Design; Walking Dead Makeup
- Design Software; Puppet Design; Costume Design; Acting; Sound Design; Props

#### **ARTICULATION:**

- Kent State University -up to 11 credits
- CT<sup>2</sup>-up to 3 sem hrs/all OH public colleges

• **AUDITION REQUIRED:** Admission to the Academy is by AUDITION ONLY.

To Audition, you need to:

-Sign up for ExcelTecc on-line

-Sign up with your guidance counsellor to attend Interview Day at Mayfield High School, which is in January of your Sophomore year;

-Guidelines and resources for Auditions can be found at [www.chagrinacademy.org](http://www.chagrinacademy.org)

NOTE: ALL ACADEMY STUDENTS ARE ENCOURAGED TO PARTICIPATE IN THEIR HOME SCHOOLS' PRODUCTIONS IF DESIRED.

### **Career Opportunities**

- Actor
- Stage Manager
- Producer
- Lighting Designer
- Costume Designer
- Set Designer
- Director
- Box Office & Marketing

# ARTS & COMMUNICATION

## STUDIO ART & DESIGN

*Two-year: GRADES 11-12*

*Site: Orange High School*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*PREREQUISITE: Studio Art packet completed, six portfolio pieces, reference letter from art teacher and interview with Excel TECC instructor*

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

The expectation in Studio Art & Design is to prepare self-motivated, creative students for careers in the visual arts by developing a comprehensive portfolio for college acceptance. The program aims to prepare students to be, **College & Career Ready**.

All art students will be introduced to the multiple careers in the visual arts through the use of social media, guest speakers, class instruction and our own professional networking resource, "ARTatWORK".

### **Program Content**

- To *embrace* creative problem solving and visual communications while developing individual expressions within content, image and message.
- To *analyze* interdisciplinary connections that influence social and cultural contexts of visual imagery.
- To *identify*, examine and understand the aesthetic, stylistic and functional considerations of designing objects, environments and communications.
- To *create a portfolio* of art works that demonstrates high level of craftsmanship and conceptual understanding for display in various regional and national student exhibitions.
- To *expand* visual literacy as a means to create images that advance individual expression and communication.
- To *develop* and support a personal philosophy of art based on aesthetic theories and understanding of visual culture.
- To *investigate* and plan strategies for lifelong involvement and advocacy of the arts.

### **COURSES:**

- Visual Creation
- Visual Design Primer
- Business of Arts & Communication
- Advertising & Communication

### **ARTICULATION:**

- Lakeland Community College  
-up to 3 credits
- Kent State University  
-up to 12 credits
- CT<sup>2</sup>-up to 3 sem hrs/all OH public colleges

### **Career Opportunities**

Interior/Product Design  
Display/Graphic/Package Design  
Advertising/Art Director  
Illustration/Cartooning  
Photography  
Fine Art/Freelance Artist

**Studio**  
**ART&DESIGN**



# BUSINESS & ADMINISTRATION/HOSPITALITY BUSINESS ACADEMY

*Two-year: GRADES 11-12*

*Site: Northern Career Institute-Willoughby*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Recommendations: Algebra 1 and Geometry credits earned; Keyboarding/Computer skills*

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

## “LEARNING TO EARN”

The Business Academy is a dynamic, comprehensive program which will introduce students to the exciting professional world of Business. Students will explore several diverse career areas including Entrepreneurship, Marketing, eCommerce, International Business, Management, Financial Literacy, Project Management, Globalization and Business Law, Finance, Operations, and Management.

The objectives of the Business Academy are to prepare students for college or technical school or employment and to connect, collaborate and compete in a global economy. The program provides a wide knowledge base and will expose students to multiple disciplines. Skills like communication, critical thinking, strong work ethic, goal setting, productivity, leadership and teamwork will provide students with a solid foundation for success. The latest technology will be fully integrated to facilitate and foster collaboration and teamwork in a professional environment.

## **Program Content**

- *Developing Business & Marketing Plans*
- *Personal Financial Management*
- *Marketing*
- *Ethics*
- *Operations Management*
- *Business Relationships*
- *Customer Relations*
- *Professional Development*
- *Project Management*
- *Entrepreneurship*
- *Finance*
- *Technology*
- *Social Responsibility*

### **COURSES:**

- Business Foundations
- Management Principles
- Strategic Entrepreneurship
- Marketing Principles



### **ARTICULATION:**

- Cuyahoga Community College-up to 5 credits/ + 11 with certification
- Lakeland Community College-up to 6 credits
- Bryant & Stratton
- Kent State University-up to 6 credits
- CT<sup>2</sup>-up to 3 sem hrs/all OH public colleges

## **Career Opportunities**

Entrepreneur	Small Business Manager
Business Analyst	Project Manager/Special Events Coordinator
District Manager	Management or Training Coordinator



# BUSINESS & ADMINISTRATION/HOSPITALITY

## CULINARY ARTS

*Two-year: GRADES 11-12*

*Site: Beachwood High School*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Credits: Junior Year - 4 credits (3 Courses-1 credit each, 1 Culinary Science)*

*Senior Year - 5 credits (1 Course-1 credit, 1 Paid Internship-3 credits, 1 Culinary Math)*

The Culinary Arts I program offers on-site training in our public restaurant, the Beachwood Bistro, to high school juniors showing interest and aptitude for the food service industry. Culinary I focuses on ServeSafe Training and Certification. This certification program is an industry standard.

The Culinary Arts II ProStart curriculum is endorsed by the National Restaurant Association Educational Foundation and provides each student earning a certificate of achievement with articulated college credit. ProStart teaches culinary mathematics, restaurant business management and marketing techniques. The internship component allows the students to work in the food industry for 12.5 hours per week to receive credit and earnings. Students must provide their own transportation.

### **Program Content**

- *Quantity Food Preparation*
- *Proper Use/Care of Commercial Equipment*
- *State and Local Sanitary Codes*
- *Classical Cooking Techniques*
- *Dining Room Service*
- *Global Cuisine*
- *Real Industry Work Experience*
- *Food Cost Control/Food Purchasing*
- *Menu Planning*
- *Menu Marketing*

### **COURSES:**

- Hospitality Fundamentals
- Fundamentals of Food Production
- Dining Room Service and Operations
- Restaurant Management
- Hospitality & Tourism Capstone/Internship

### **ARTICULATION:**

- Cuyahoga Community College-up to 3 or 4 credits
- University of Akron-up to 12 credits
- CT<sup>2</sup>-up to 6 sem credits [NRAEF ProStart Certification]

### **CERTIFICATIONS AVAILABLE:**

- NRAEF ProStart Certification
- ServSafe Certification



### **Career Opportunities**

Chef/Pastry Chef/Sous Chef  
Catering/Event Sales Manager  
Food and Beverage Manager  
Restaurant Manager/Owner  
Food Scientist

# BUSINESS & ADMINISTRATION/HOSPITALITY MARKETING

*One-year: GRADE 12 only*

*Site: Beachwood High School*

## **COLLEGE CREDITS - Tech Prep**

*Recommendations: College Prep course of study*

*Credits: 3 credits (4 Courses/yr-.75 credit each)*

Marketing is a college-preparatory program for students interested in studying business, marketing or a related field in college. Marketing provides a hands-on experience for our students in a fun, real-world environment. Students will develop marketing skills outside of the classroom and interact with individuals in the business world by developing and operating their own company. Students will participate in the Junior Achievement Company Program.

## **Program Content**

- *Computer Technology*
- *Virtual Business Simulations*
- *Retail Management*
- *Public Relations*
- *Consumer Behavior*
- *Business Administration*
- *Direct Marketing*
- *Entrepreneurship*
- *Global Marketing*
- *Sales*
- *Fashion Merchandising*
- *Promotions*
- *Product Design*
- *Research*
- *Consulting*
- *Merchandising*
- *Advertising*
- *E-commerce*

## **COURSES:**

- Business Foundations
- Marketing Principles
- Marketing Applications
- Integrated Marketing Communications

## **ARTICULATION:**

- Lakeland Community College  
-up to 9 credits
- Cuyahoga Community College  
-up to 5 credits/ + 11 with certification
- Kent State University-up to 6 credits

## **Career Opportunities**

Advertising/Promotions/Public Relations  
Consumer Psychology  
Industrial/Retail Sales  
E-Business  
Visual Merchandising  
Media Planning





# CONSTRUCTION TECH / MANUFACTURING

## CONSTRUCTION TRADES

*Two-year: GRADES 11-12*

*Site: Willoughby (Mayfield program)*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

The Construction Trades program prepares students with the fundamentals needed to work in the building, remodeling, maintenance or repair of public or private buildings and homes. A good portion of the curriculum is hands-on. Sessions are coupled with theory and lab demonstrations, with an emphasis on safety — both on the job and in the classroom.

### **Program Content**

- Masonry
- Carpentry
- Roofing
- Siding
- Building & Property Maintenance
- Painting/Wallpapering
- Flooring (covering)
- Windows/Doors
- Drywall
- Electrical
- Plumbing
- Safety
- Construction Management
- Home Building
- Mathematics/Estimating
- Blueprint Reading

### **COURSES:**

- Construction Technology-Core & Sustainable
- Carpentry & Masonry Technical Skills
- Structural Coverings & Finishes
- Structural Systems

### **ARTICULATION:**

- Lakeland Community College-up to 8 credits
- Cuyahoga Community College-up to 6 credits
- Kent State University-up to 6 credits
- CT<sup>2</sup>-up to 3 sem hrs/  
all OH public colleges

### **CERTIFICATIONS AVAILABLE:**

- Career Connections Certificate  
Level 1
- Career Connections Certificate  
Level 2
- Career Connections Certificate  
Level 3

### **Career Opportunities**

Building Inspector  
Carpentry/Woodworker  
Masonry/Stone Cutter  
Repair/Labor Work/Maintenance  
Cabinetry  
Plumber/Electrician  
*With Post-Secondary Education:*  
Construction Management  
Electrical Engineer / Civil Engineer



# CONSTRUCTION TECH / MANUFACTURING WELDING TECHNOLOGIES

*Two-year: GRADES 11-12*

*Site: Northern Career Institute-Willoughby*

**COLLEGE CREDITS - Tech Prep**

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

Welding technician students learn to proficiently produce welds of different arc welding processes along with background knowledge of machine settings, scientific theory and blueprint reading. Students learn the same skills taught at the Lincoln School of Welding and the Miller Electric Manufacturing Company. Students have a high probability for high paying employment due to the increasing need for young welders in the industry.

The welding machines and equipment found in the shop in the new welding facility match professional equipment used in the field. Students utilize multiple tools to enhance fabrication skills while completing several, large scale community service projects and having the choice to compete in the SkillsUSA competitions. This program had the National Gold Medal Welder in 2016.

Students become effective and professional communicators by working closely with local business and industry to complete community service projects.

## **Program Content**

Students will learn:

- Gas Metal Arc Welding (GMAW)
- Gas Tungsten Arc Welding (GTAW)
- Shielded Metal Arc Welding (SMAW)
- Flux Cored Arc Welding (FCAW)
- Plasma Arc Cutting (PAC)
- Team-building
- Oxy-Fuel Cutting (OFC)
- Blueprint Reading
- SkillsUSA Competition
- Community Service
- Fabrication

### **COURSES:**

- Gas Metal Arc Welding
- Shielded Metal Arc Welding
- Flux Cored Arc Welding
- Gas Tungsten Arc Welding

### **ARTICULATION:**

- Lakeland Community College-  
up to 7 credits
- Cuyahoga Community College-  
up to 6 credits
- University of Akron-  
up to 30 credits
- Kent State University-  
up to 3 credits

### **CERTIFICATION AVAILABLE:**

- AWS Certified Welder



## **Career Opportunities**

Iron Workers  
Boiler Makers  
Production Welding

Custom Fabrication  
Welding Repair

# EDUCATION & TRAINING

## TEACH

### Teacher Education And Children's Health

*Two-year: GRADES 11-12*

*Site: Beachwood High School*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

The T.E.A.C.H. (Teacher Education and Children's Health) program prepares students to fill a vital role in the education and health of children. High school students receive the opportunity to teach and care for children in many different learning environments. The first year of the program stresses basic skills needed to work with children and the students are provided with the opportunity to actively be engaged with children at our laboratory schools. In the second year, the students expand their experiences with opportunities to intern with children birth through school-age and other childhood professionals. Again, the students assume a different role in the classroom and gain knowledge and experience working with children. In related class, the students are involved in learning activities requiring higher order thinking skills where they create and implement many learning opportunities for children. Students also have the option to complete the Child Development Associate process with the guidance and support from their instructor as well as earn credits toward a degree in any career field related to Child Development.

### **Program Content**

The student will learn:

- *Childhood Theory*
- *Child Development*
- *Educational Technology*
- *Communication & Assessment*
- *Health & Safety*
- *Curriculum & Instruction*
- *Communicable Diseases*
- *First Aid & CPR Training*
- *Recognition & Prevention of Child Abuse*

### **COURSES:**

- Early Childhood Education Principles
- Foundations of Education & Training
- Health Safety & Nutrition
- Infant & Toddler Education

### **ARTICULATION:**

- Lakeland Community College-up to 3 credits
- University of Akron-up to 30 credits with CDA credential
- Kent State University-up to 3 credits
- CT<sup>2</sup>-up to 8 sem hrs/all OH public colleges

### **CERTIFICATIONS AVAILABLE:**

- Child Development Associate (CDA)
- OCTF Child Abuse Awareness & Prevention
- ODJFS Communicable Disease Prevention for Childcare Personnel



### **Career Opportunities**

Pre-K/Elementary Teacher  
Middle/High School Teacher  
Child Care Director/Teacher  
Pediatric Speech/Hearing Therapist  
Social Worker  
Guidance Counselor/Intervention Specialist  
Child Psychologist  
Pediatric Physical/Occupational Therapist

# ENGINEERING / TRANSPORTATION

## AUTO COLLISION

*Two-year: GRADES 11-12*

*Site: Northern Career Institute-Willoughby*

**COLLEGE CREDITS - Tech Prep**

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

The Auto Collision program is designed to teach students the complete cycle of repairing automobiles and other vehicles damaged from normal “wear and tear” or from accidents and collisions. The students develop skills in straightening, forming, soldering, welding, painting and aligning a damaged vehicle. In addition to the required technical learning, the related portion of the training begins to focus on employability and management skills. This aspect includes ordering parts, preparing estimates, writing repair orders, and generally developing good oral and written communication skills.

### **Program Content**

The student will learn:

- *Proper Safety Practices*
- *Use of Hand and Power Tools*
- *Rust Repair*
- *Sheet Metal Repair*
- *Body Panel Replacement*
- *Detailing*
- *Custom Fabrication*
- *Unibody & Frame Repair*
- *Fiberglass Repair*
- *Custom Painting*
- *MIG Welding*
- *Customer Service*

### **COURSES:**

- Collision Nonstructural Inspection & Repair
- Collision Painting & Refinishing
- Collision Structural Inspection & Repair
- Collision Electrical & Mechanical

### **ARTICULATION:**

- Cuyahoga Community College-up to 3 credits
- University of Akron-up to 30 credits
- Kent State University-up to 30 credits
- Ohio Technical College

### **CERTIFICATIONS AVAILABLE:**

- ASE [after graduation]

### **Career Opportunities**

Auto Body Repair & Alignment Technician  
Aircraft & Boat Repair Technician  
Parts Manager Estimator  
Frame & Front End Repair Technician  
Custom Shop or Auto Repair Technician  
Refinishing & Sales



# ENGINEERING / TRANSPORTATION AUTOMOTIVE TECHNOLOGY

*Two-year: GRADES 11-12*

*Site: Northern Career Institute-Willoughby*

**COLLEGE CREDITS - Tech Prep**

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

The Automotive Technology program takes place in “hands-on” learning environment. First year students will have the opportunity to receive a safety certificate and The Valvoline Motor Oil Basics Certificate. Students will remove and replace various steering and suspension components, brakes and exhausts systems and will use MIG welding and Oxy fuel torches. They will also use a computerized wheel balancing machine and a four wheel alignment machine.

Second year students will use a variety of computerized scan tools to diagnose and repair drive train, emission, and electrical issues. During the second semester, students are encouraged to participate in a work study program while receiving high school and college credits for their time “on the job”.

## **Program Content**

The student will learn:

- *Safety and house keeping*
- *General service and procedures*
- *Oil and lubrication/Maintenance*
- *Steering and Suspension*
- *Exhausts and MIG welding*
- *Automotive Detailing*
- *Scan tool diagnostics*
- *Computerized wheel alignment/balancing*
- *Use of information systems and resources*
- *Brake systems*
- *Electric Systems*
- *Drivetrain*
- *Oxy-Acetylene torches*
- *Emissions*
- *Engine Performance*

## **COURSES:**

- Ground Transportation Maintenance
- Automotive Braking, Suspension & Steering Systems
- Ground Transportation Electrical/Electronics
- Automotive Engine Performance

## **ARTICULATION:**

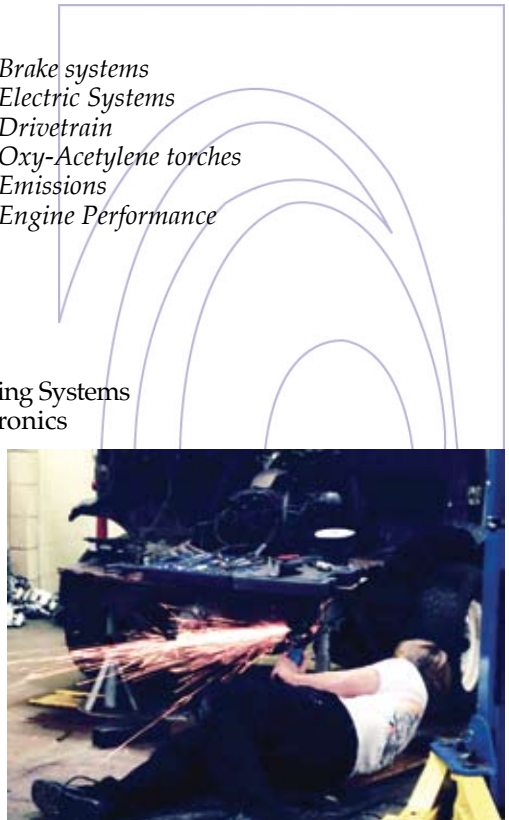
- Cuyahoga Community College-up to 3 credits
- University of Akron-up to 10 credits
- Kent State University-up to 30 credits

## **CERTIFICATIONS AVAILABLE:**

- Valvoline Oils Certificate
- Hours towards ASE Certification
- CDX Certificate of Course Completion & Webxam

## **Career Opportunities**

- Auto Technician • Lube Technician • Service Writer
- Service Manager • Parts Specialist • Porter • Detailer





# ENGINEERING / TRANSPORTATION CADD ENGINEERING TECHNOLOGY

COMPUTER-AIDED DESIGN/DRAFTING

**Two-year: GRADES 11-12**

*Site: Mayfield Innovation Center @ Mayfield High School*

**COLLEGE CREDITS - Tech Prep / CT<sup>2</sup>**

*Recommendations: Algebra 1 and Geometry credits earned*

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

STEM: Science, Technology, Engineering, & Mathematics fields: competitive, ever-evolving, & in demand! *CADD Engineering Technology* merges interactive instruction, core engineering concepts, & innovative techniques, & provides a strong foundation for STEM studies & careers. *CADD Engineering Technology* emphasizes academic/scholastic achievement, problem-based technical skill development, & work ethics principles, critical for additional studies & successful career navigation in a global economy. Senior students will have internship, digital portfolio, & transferable college credit opportunities. Find *CADD* on Twitter @ExcelTECCADD.

## **Program Content**

Competencies include:

- *Areas of Architectural, Structural & Civil Engineering, Landscape, Site Planning & thinking GREEN*
- *Areas of Mechanical, Electrical & Fluid Engineering*
- *Performance Product Life Cycles*
- *Fabrication Lab Equipment such as 3D Printer, CNC Router, Laser, Mill & Vinyl Cutter*
- *2D & 3D CADD Techniques & Simulation*
- *Blueprint Reading, ANSI, ISO*
- *Use of micrometers, calipers, gauges & scales*
- *Computer System Management*
- *Spreadsheets, Word Processing, Presentations, Databases & Desktop Publishing*
- *Time Management, Interviewing, Portfolios, Applications, Life Skills & Globalization*

Software selections may include:

*AutoCAD, Solidworks, Revit, vCarve, Simplify 3D*

## **COURSES:**

- Engineering Design
- Architecture: Site & Foundation Plans
- Manufacturing Operations
- Architecture: Structural & Mechanical

## **ARTICULATION:**

- Lakeland Community College-up to 13 credits
- Cuyahoga Community College-up to 4 credits
- Kent State University-up to 6 credits
- CT<sup>2</sup> - 3 sem hours/all OH public colleges

## **CERTIFICATION AVAILABLE:**

- OSHA-10hr Safety

## **Career Opportunities**

Engineer: Aerospace, Automotive, Civil, Biomechanical, Architectural, Transportation, Manufacturing, Mechanical, Environmental, Nuclear, Electrical, Marine

Architect: Commercial & Residential

Drafter: Mechanical, Civil, Architectural

Technical Illustrator

Mold/Software Designer

Product Designer

CAM Programming



# ENVIRONMENTAL & AGRICULTURAL ENVIRONMENTAL EDUCATION

*Two-year: GRADES 11-12*

*Site: Gates Mills Environmental Education Center / Cleveland Botanical Garden*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Recommendations: completion of Algebra 2 by end of senior year*

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

*Virtual Learning additional course(s) available*

## **ARTICULATION:**

- Cuyahoga Community College-up to 3 credits
- ATI/Ohio State University - Placement Math test
- University of Akron-up to 8 credits
- Kent State University-up to 7 credits
- CT<sup>2</sup> - up to 15 sem hrs/all OH public colleges

These three programs are designed to educate the student in practices of commercial horticulture, including ornamental landscaping, greenhouse production, and floral design. Students will explore post-secondary training by visiting Tri-C and the Agricultural Technical Institute in Wooster. Students enrolling in the program become members of FFA, and can join the Ohio Nurserymen and Landscapers Association. Entry employment opportunities are available and continuation of higher education is encouraged after completion of the program. Employment opportunities are very high for those that are serious about their careers. The three areas available to students are:

- CLEVELAND BOTANICAL GARDEN
- FLORICULTURE & GARDENING OPERATIONS
- LANDSCAPE CONSTRUCTION & DESIGN

## **CLEVELAND BOTANICAL GARDEN**

Cleveland Botanical Garden Program is for students that desire a career in landscape maintenance and public gardening. The garden houses 10 landscaped acres of permanent, award-winning displays and themed gardens which the students use for their classroom. This program is designed for those students who wish to develop their landscaping skills, work habits and knowledge to ultimately become successful workers in the horticulture industry and productive members of society.

**CAREER OPPORTUNITIES:** Public Garden Worker • Landscape Business Owner • Horticulture Management

## **FLORICULTURE & GARDENING OPERATIONS**

The Floriculture and Gardening Operations program introduces students to many areas of the horticulture industry before entering higher education/workforce. It offers the basics in Landscape and golf course gardening, plant production, greenhouse and garden center operations, floral design, interior plant production, sales, customer service, plant identification and care. The program includes class room theory and hands-on instruction by growing, maintaining, selling and designing with annuals, perennials, shrubs, trees, cut flowers and tropical plants. Students are encouraged to participate in a paid internship program to enhance the learning experience!

**CAREER OPPORTUNITIES:** Floral Designer • Greenhouse Grower • Landscape & Golf Course Technicians • Garden Center Mngmnt • Nursery Worker • Horticulture Sales/Marketing • Plant Propagation • Wedding Consultant • Business Owner/Manager • Estate & Public Gardeners

## **LANDSCAPE CONSTRUCTION & DESIGN**

The Landscape Construction and Design Program is an intensive Tech Prep program designed for students who are serious about employment in the landscape industry and/or to prepare themselves for further education in a college, university or trade school. The course uses a project-based, problem-based philosophy and provides students with hands-on work and instruction both on the horticulture campus and at off-site locations. Students will engage in topics such as landscape equipment operation, landscape design and estimating, plant identification and care, construction with stone, wood and precast pavers, irrigation, small engine maintenance and general maintenance of the landscape.

**CAREER OPPORTUNITIES:** Landscape Designer/Architect • Crew Leader-Landscape Maintenance • Landscape/Hardscape Construction • Park System Maintenance • Gardener





## HEALTH SCIENCES

### **ALLIED HEALTH** [Nursing Assistant and Certified Medication Aide]

*Two-year: GRADES 11-12*

*Site: Northern Career Institute-Eastlake*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

Junior year of the program is designed to provide the basic healthcare skills necessary for an entry-level position in healthcare. Students will learn to assist patients with daily living and fundamental tasks, assist with restorative therapy and learn to work in a healthcare setting. Senior year of the program is designed to describe the role and functions of a certified medication aide. Students will relate the function of state medication administration to the promotion of residents' rights. Career opportunities for students completing the Allied Health program may include Certified Medication Aide, STNA, CNA-Certified Nursing Assistant and Patient Care Assistant.

### **Program Content**

The student will learn:

- *Medical Law & Ethics*
- *Medical Terminology*
- *Data Collection*
- *Anatomy & Physiology*
- *State Tested Nursing Assistant*
- *Patient Education*
- *CPR/First Aid*
- *Administering Medication*
- *Sterile Environments*
- *Career Assistance*

#### **COURSES:**

- Principles of Allied Health
- Medical Terminology
- Pharmacology
- Patient Centered Care & Diagnostics

#### **ARTICULATION:**

- Lakeland Community College-up to 6 credits
- Cuyahoga Community College-up to 4 credits
- University of Akron-up to 12 credits
- CT<sup>2</sup> - up to 3 sem hrs/all OH public colleges

#### **CERTIFICATIONS AVAILABLE:**

- State Tested Nursing Assistant [STNA]
- CPR/First Aid
- OSHA-10 hr health certification
- Certified Medication Aide [MA-C]

### **Career Opportunities**

Certified Medication Aide  
State Tested Nursing Assistant [STNA]  
Home Health Aide  
Hospitality Aide

Certified Nursing Assistant  
Patient Care Assistant  
Hospice Aide  
Restorative Aide



# HEALTH SCIENCES

## EXERCISE SCIENCE & SPORTS REHABILITATION

*Two-year: GRADES 11-12*

*Site: Brush High School*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

Do you strive to promote healthy living? Do you enjoy helping people meet their wellness and athletic performance goals? Do you like assisting others as they recuperate from an injury or illness? If you answered “yes” to one or more of these questions, you may be interested in the field of Exercise Science and/or sports medicine.

This health science program will help you learn the basics of preventing, diagnosing and treating injuries related to sports and/or science exercise. Exercise Science & Sports Rehabilitation also offers real work experience through shadowing and clinical hours in an approved healthcare facility. Students wishing to attend college will have a solid foundation for a declared major in any health related field. Students may be required to join Health Occupations Students of America (HOSA) student organization and may compete in local, regional, state and national activities. CPR certification applies to this program.

### **Program Content**

The student will learn:

- *Functional Anatomy & Exercise Science*
- *Health Evaluation & Fitness Testing*
- *Exercise Programming*
- *Nutrition & Weight Management*
- *Injury Recognition & Prevention*
- *Medical terminology*
- *Medical Law and Ethics*
- *Rehabilitation & Treatment Methods*
- *Education & Counseling*
- *Infection Control & Risk Management*

### **COURSES:**

- Health Science and Technology
- Exercise and Athletic Training
- Medical Terminology
- Athletic Injuries and Prevention



### **ARTICULATION:**

- Cuyahoga Community College  
-up to 4 credits/ + 6 with certification
- Lakeland Community College  
-up to 11 credits
- Kent State University-up to 3 credits
- University of Akron-up to 14 credits
- CT<sup>2</sup> - up to 6 sem hrs/all OH  
public colleges

### **CERTIFICATION AVAILABLE:**

- AMCA Physical Therapy Aide
- ACSM Certified Personal Trainer

### **Career Opportunities**

Positions are available for qualified employees in:

Health centers

Nursing care facilities

As a certified personal trainer (upon obtaining certificate)

Hospitals

Athletic organizations

With further education:

Physical therapist / therapy assistant

Certified fitness / athletic trainer

Radiology technician

Physician Assistant

Emergency medical technician (EMT)/paramedic

Sports medicine physician

Licensed practical nurse (LPN)

Registered nurse (RN)

Licensed practical nurse (LPN)

# HEALTH SCIENCES

## LICENSED PRACTICAL NURSING

*Two-year: GRADES 11-12*

*Site: Northern Career Institute-Eastlake*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

### ADMISSION REQUIREMENTS

- Passage of a pre-entrance test with a proficient score: ACT WorkKeys tests - Applied Math for Healthcare [score  $\geq 5$ ]; Workplace Documents [score  $\geq 5$ ]; and Graphic Literacy [score  $\geq 4$ ]
- Minimum cumulative GPA of 3.0

Willoughby-School of Practical Nursing is committed to excellence by providing nursing education preparation through classroom, lab, simulation, and clinical experiences. For over 50 years the practical nursing program has been offered to both adult and high school students and remains one of the few high school programs available to students in Ohio.

Our nursing program affords the student the ability to think critically and use problem-solving processes while providing care to patients. The nursing profession is an exciting and fast paced career with continuous learning opportunities. Nursing is a flexible career with diverse opportunities. Being entrusted with a life and making a difference happens every day with this profession.

### **Program Content**

The practical nursing program consists of the following courses approved by the Ohio Board of Nursing:

- *Body Structure and Function*
- *Nursing Fundamentals*
- *Issues, Roles, and Professionalism*
- *Introduction to Pharmacology*
- *Medical Surgical Nursing and Pharmacology*
- *Weekly Clinical Experience during senior year*
- *Clinical Calculations*
- *Nutrition and Diet Therapy*
- *IV Therapy*
- *Obstetrics*

### **COURSES:**

- Patient Centered Care
- Nutrition & Wellness
- Patient Centered Care & Diagnostics
- Lifespan Development & Medical Intervention

### **ARTICULATION:**

- Cuyahoga Community College-up to 4 credits
- University of Akron-up to 30 credits
- Kent State University-up to 30 credits
- CT<sup>2</sup>-up to 30% of Associate Nursing Degree
- Ohio One-Year Option-30 sem hrs

### **CERTIFICATIONS AVAILABLE:**

- Board of Nursing NCLEX-PN exam
- State Testing Nursing Assistant [STNA]
- CPR for Healthcare Providers

### **Career Opportunities**

- |               |                    |
|---------------|--------------------|
| Pediatric LPN | Charge Nurse       |
| Clinic LPN    | Private Duty Nurse |
| Triage LPN    |                    |



# HEALTH SCIENCES

## MEDICAL ASSISTING

**Two-year: GRADES 11-12**

Site: Northern Career Institute-Eastlake

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

The Medical Assisting Program is designed to prepare students to handle both the clinical duties and administrative responsibilities in a medical setting. Students learn anatomy and physiology, medical office protocol, vital signs, and patient care. Medical terminology, medical ethics, office skills, and basic patient care are included. Classroom and clinical settings offer a variety of opportunities for learning. Senior year of the program is designed to prepare students for work in the medical field. Students participate in Externships, gaining real patient care experiences.

### **Program Content**

The student will learn:

- *Scheduling Appointments*
- *Maintaining Medical Records*
- *Measuring Vital Signs*
- *Measuring & Recording Height/Weight*
- *Assisting with Examinations/Procedures*
- *CPR*
- *First Aid*
- *Team-building*
- *Phlebotomy*

#### **COURSES:**

- Medical & Dental Office Technology
- Medical Terminology
- Patient Centered Care & Diagnostics
- Lifespan Development & Medical Intervention



#### **ARTICULATION:**

- Lakeland Community College - up to 10 credits
- Cuyahoga Community College-up to 4 credits
- University of Akron-up to 30 credits
- Kent State University-up to 30 credits
- CT<sup>2</sup> - up to 3 sem hrs/all OH public colleges

#### **CERTIFICATIONS AVAILABLE:**

- Registered Medical Assistant (RMA)
- OSHA 10-hr Healthcare Certification
- CPR for Healthcare Providers
- First Aid

### **Career Opportunities**

Certified Medical Assistant

Chiropractor Assistant

Medical Office Assistant

Registered Medical Assistant

Certified Phlebotomy Technician

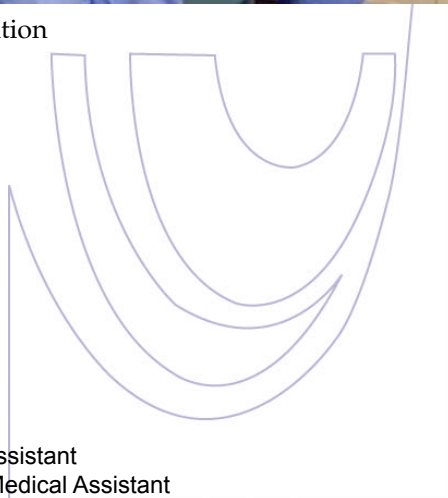
Optometric Assistant

Ophthalmic Medical Assistant

Clinical Medical Assistant

Administrative Medical Assistant

Pediatric Medical Assistant



# HEALTH SCIENCES

## MEDICAL TECHNOLOGIES

**Two-year: GRADES 11-12**

Site: *Mayfield Innovation Center @ Mayfield High School*

**COLLEGE CREDITS - Tech Prep/CT<sup>2</sup>**

*Recommendations: Algebra 1 and Geometry credits earned*

*Credits: Junior Year - 3 credits (2 Courses/yr-1.5 credits each)*

*Senior Year - 4 credits (2 Courses/yr-1.5 credits each, 1 Internship/Work)*

The Medical Technologies program prepares students with an interest in the medical professions. The development of the attitudes, practices, technical and academic skills necessary for employment in medical, allied health occupations and diagnostic treatment to facilities is essential to the pursuits of post-secondary education.

The students will participate in instructional, laboratory and clinical experiences designed to prepare individuals in direct patient care, diagnostic, therapeutic and treatment options. Students will participate in an internship under the supervision of physicians, dentists, nurses, emergency personnel, therapists and other allied health staff.

The course is intended for those students who are serious about an educational future in the medical/allied health occupations and diagnostic sciences. Medical Technologies is a program that articulates with colleges allowing most eligible students to receive college credit in high school.

### **Program Content**

The student will learn:

- *Medical Terminology-college course*
- *Experience with the latest medical equipment*
- *Anatomy/Physiology & Biochemistry/Physics*
- *First Responder Certification*
- *Basic EKG Interpretation-college course*
- *Acute Care Hospital internship program*
- *Introduction to Health Care Sciences-college course*

- *Patient Care Skills*
- *Health Care Responsibilities*
- *OSHA Bloodborne Pathogen*
- *Patient Education*
- *Human Growth & Development*

### **COURSES:**

- Principles of Allied Health
- Patient Centered Care & Diagnostics
- Lifespan Development & Medical Intervention
- Medical Terminology

### **ARTICULATION:**

- Lakeland Community College - up to 10 credits
- Cuyahoga Community College - up to 4 credits
- CT<sup>2</sup>-up to 3 sem hrs/all OH public colleges

### **CERTIFICATION AVAILABLE:**

- American Heart Association CPR-Certification for Health Care Providers



### **Career Opportunities**

Medicine  
Sports Medicine  
Nursing  
Dental  
Physical Therapy  
Clinical Laboratory Technician  
Cardiopulmonary Technician  
Radiology/Nuclear Medicine

Pharmacy  
Veterinary Medicine  
Clinical Research  
Laboratory  
Dental Hygiene  
EMT/Paramedic  
Occupational Therapy  
Geriatric Care



# HUMAN SERVICES / PUBLIC SAFETY

## COSMETOLOGY

**MAYFIELD: Two-year: GRADES 11-12**

Site: Alpha Park; **COLLEGE CREDITS - Tech Prep**

Credits: 3 credits each year (2 Courses/yr-1 credit each, 1 Theory)

This two-year program involves classroom and practical experiences, 150 hours Internship for state board in a salon and Theory designed to assist the student in developing specific skills and the scientific knowledge to be a licensed cosmetologist. Students who successfully complete the program can qualify to take the State Board Examination.

### Program Content

- Sanitation Procedures
- Anatomy, Physiology, Chemistry, Microbiology, Trichology
- Business Management
- Hair Care Procedures which include: Styling, Cutting, Coloring, Permanent Wave & Chemical Relaxing
- Skin Care/Nail Care
- Salon Safety Procedures
- English Communications

### **ARTICULATION:**

- Cuyahoga Community College - up to 3 credits;
- University of Akron-up to 30 credits
- Kent State University-up to 30 credits

### **CERTIFICATION AVAILABLE:**

- State Board of OH Cosmetology License



**WILLOUGHBY-EASTLAKE: Two-year: GRADES 11-12**

Site: Northern Career Institute-Willoughby; **COLLEGE CREDITS - Tech Prep**

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

Students will have hands-on experience learning hair care, nail care and skin care. The Cosmetology Course is designed to train the student in the basic manipulative skills, safety judgments, proper work habits, business skills, and desirable attitudes necessary to obtain licensure and for competency in job entry-level positions in Cosmetology or a related career field.

Upon completion of the 1500 required hours by the Ohio State Board of Cosmetology, students will be required to pass for the Ohio State Board of Cosmetology exam, prior to being employed in the profession. It is a requirement of Ohio State law to have a license to perform services on clients in a salon environment. Students will learn to care for hair, skin, and nails and to create style and beauty.

### Program Content

- Sciences: Microbiology, Trichology, Infection Control, Chemistry, Electricity & Light Therapy, Anatomy & Physiology
- Principles & Techniques of: Hair Styling, Hair Shaping, Hair Coloring, Chemical Texture Services Scalp & Hair Treatments
- Skin Care Treatments & Application of Cosmetics
- Principles & Techniques of Nail Services
- 150 hours Salon Internship/SkillsUSA competition

### **ARTICULATION:**

- Cuyahoga Community College-up to 3 credits
- University of Akron-up to 30 credits
- Kent State University-up to 30 credits

### **CERTIFICATIONS AVAILABLE:**

- State Bd of OH Cosmetology License
- Cuccio Certified Nail Technician
- Career Safe OSHA

### Career Opportunities

Esthetician	Hairstylist	Cosmetic Sales
Nail Technician	Color Technician	Make-up Artist/Consultant
Spa Coordinator	Platform Artist	Cosmetic Chemist

# HUMAN SERVICES / PUBLIC SAFETY

## FIRE/EMS TRAINING ACADEMY

*Two-year: GRADES 11-12*

*Site: Tri-C East and West (Fire & EMT)*

**COLLEGE CREDITS - Tech Prep / CT<sup>2</sup>**

*Prerequisite: Must be 16 yrs old as of August 1st prior to school year entering program;  
Complete Sports Physical (when accepted);*

*Recommendations: Competence in the following coursework: Anatomy/Physiology, Language Arts, Math-Algebra*

*Credits: Junior Year - 3 credits (1 Course-3 credits)*

*Senior Year - 3 credits (1 Course-1.5 credits, 2 Courses-.75 credits/each)*

Students interested in Fire/EMS should be in good physical condition, have a desire to learn medical knowledge, have concern for the well-being of other people, have the ability to work on a team, and be able to remain calm under pressure.

The Fire/EMS Training Academy is a two-year program. The first year of the curriculum covers the foundation of firefighting and EMS, which looks at such topics as the history of public safety, ethics, first aid / CPR, medical emergencies, fire behavior, communications, Hazmat training and much more. Juniors attend program at Tri-C East; seniors attend at Tri-C West. Students will be able to obtain an EMT certification and Fire Fighter I and II certification or APCO Telecommunication Certificates, allowing them to search for employment in those careers at the age of 18.

**SENIOR YEAR: NEW CRITERIA FOR FIRE/EMS STUDENTS ENTERING SENIOR YEAR - After junior year students need to meet a set of requirements for advancing to senior year.**

*Following is the criteria [all] that need to be met:*

*-Obtain AHA CPR Card; -Completion of NIMS 100; -Completion of NIMS 700; -Accumulated HS GPA 2.0 min; -Program Accumulated GPA 2.5 min; -Senior Status at Home School*

*OR – a student has the option of taking and earning a total score of 13 on the [3] WorkKeys tests*

### **Program Content**

All students will learn:

- Career Exploration & Development
- Firefighting & EMS Operations/Training
- Life Saving Skills
  - First Aid and CPR
- 911 Telecommunications
- Leadership & Communications
- Safety Awareness
- Fire Prevention
- Hazmat Training
- Public Relations
- Report Writing Skills
- Terrorist Assessment Training

### **COURSES:**

- Foundations of Firefighting and Emergency Medical Services
- Emergency Medical Technician (EMT)
- Firefighter I
- Firefighter II

### **ARTICULATION:**

- University of Akron-up to 30 credits
- Kent State University-6 toward Associate degree/30 toward ATS
- CT<sup>2</sup> - up to 22 sem credit hours/all OH public colleges

### **CERTIFICATION: (possible):**

- Junior Year:
  - American Heart Association First Aid / CPR / AED
- Senior Year
  - Emergency Medical Technician
  - Firefighter I & II; -Hazmat Operations
  - APCO Telecommunication Certificates



### **Career Opportunities**

- Fire Fighter • Emergency Medical Technician • Hospital Technician • 911 Dispatch
- Future Opportunities with Further Education
- Paramedic • Critical Care Transport • Search & Rescue Specialist
- Fire Investigator • Hazardous Materials Specialist



# INFORMATION TECHNOLOGY

## INTERACTIVE MEDIA

*Two-year: GRADES 11-12*

*Site: Mayfield High School*

**COLLEGE CREDITS - Tech Prep / CT<sup>2</sup>**

*Prerequisite: Portfolio/work samples*

*Recommendations: Art 1; Computer related courses*

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

Interactive Media students learn to use professional level graphic arts computer software for image editing, animation, special effects video, and web design. The computer hardware found in the classroom matches the professional graphic arts work environment. Students utilize digital drawing tablets, scanners, digital photo and video cameras, professional graphics software, and computers with dual display monitors. Students become confident communicating effectively and professionally with adults by doing work for local non-profit organizations and small business clients.

### **Program Content**

The student will learn:

- *Design/Art Concepts*
- *Photography*
- *Digital Imaging*
- *Desktop Publishing*
- *Graphic Design*
- *Economics & Business Concepts*
- *Animation*
- *Web Design*
- *3-D Graphics*
- *Special Effects Video*
- *Multimedia Production*
- *Team-building*

### **COURSES:**

- Video & Sound
- Creating & Editing Digital Graphics
- Animation
- 3D Techniques

### **ARTICULATION:**

- Lakeland Community College-up to 6 credits
- Kent State University-up to 12 credits
- Virginia Marti College of Art & Design-per portfolio review
- CT<sup>2</sup>-up to 12 sem hrs/all OH public colleges

### **CERTIFICATIONS AVAILABLE:**

- Adobe Certified Associate-Photoshop
- Adobe Certified Associate-Illustrator
- Adobe Certified Associate-Premiere Pro

### **Career Opportunities**

Graphic Designer

Web Designer

Multi-Media Designer

Digital Imaging Specialist

3D Graphic Artist

Animator

Game Artist

Motion Graphics Artist



# INFORMATION TECHNOLOGY

## ITP-INFORMATION TECHNOLOGY & PROGRAMMING

**Two-year: GRADES 11-12**

Site: *Mayfield High School*

**COLLEGE CREDITS - Tech Prep / CT<sup>2</sup>**

*Recommendations: Algebra 1 and Geometry; English 1 & 2 credits earned; computer use, keyboarding & MS Office skills*

*Credits: 3 credits each year (2 Courses/yr-1.5 credits each)*

ITP provides students with direction and skills necessary to develop one's talents in a wide range of computing fields. With local and national economic and employment trends strongly pulling toward Information Technology, ITP graduates are prepared to effectively pursue their career in today's tech-based economy.

ITP is a College Tech Prep program affiliated with the Lakeland Community College Tech Prep Consortium. ITP students are prepared to further their education on the collegiate level at a four-year, two-year or technical institution, while having the opportunity to earn advanced college credit during their enrollment in ITP.

### **Program Content**

#### **ITP Career Pathway Choice Courses:**

- Cyber Security/Ethical Hacker Certification
- Unity Game Design with C# and JavaScript Coding
- Cross-Platform Mobile Application Design
- Networking Pro Certification
- Server Pro/Linux Pro Certification
- Advanced Web Design

#### **Professional Development:**

- SkillsUSA Membership and Competition
- SkillsUSA Professional Leadership, Teamwork and Communication Skills
- CareerSafe OSHA 10-Hour Certification
- CareerSafe Cyber Awareness and Safety Training
- CareerSafe Employability: Interviewing Skills Training
- Engagement Activities with Area Business and Industry Partners
- Regional, State & National levels of competition through SkillsUSA and Ohio College TechPrep - *ITP Competitive Teams and Individuals have earned 66 championship awards since 2002 in SkillsUSA including SkillsUSA National Champions in 2007, 2008, 2009, 2010 & 2017; Tech Prep, Cool Tech Challenge, Congressional Apps Challenge*

#### **COURSES:**

- Computer Software
- Computer Hardware
- Web Design
- Programming

#### **ARTICULATION:**

- Lakeland Community College—up to 12 credits
- Cuyahoga Community College—up to 3 credits
- Kent State University—up to 12 credits
- CT<sup>2</sup> - up to 9 sem credit hours/all OH public colleges

#### **CERTIFICATION AVAILABLE:**

- Ethical Hacker Pro
- Network Pro
- Linux Pro
- PC Pro+
- Security Pro
- Desktop Pro+
- OSHA-10hr



### **Career Opportunities**

Computer & Information Systems Manager  
Mobile Device Software Designer  
Computer Engineers / Operators

Network Administrator  
IT Security Specialist  
PC Network Technician

# INTERVENTION PROGRAMS

## **A.C.E. - Agriculture & Career Exploration**

*Two- or three-year*

*Site: Gates Mills Environmental Education Center*

This program offers 10th-12th grade students an exploration of the various Agriculture occupations with emphasis on entry level job skills. This work-study program is designed for selected students to get first hand experience in the world of work. Students successfully completing various job shadow sites throughout the school year will have the opportunity to gain paid employment. While learning job skills, students will gain knowledge in the areas of: employability skills, positive work habits, communication and interpersonal skills, basic floral design, landscape techniques, plant propagation and care, and general horticulture skills. Students will explore post secondary training at Tri-C, and the Agricultural Technical Institute in Wooster. A.C.E. students become members of FFA, and can join the Ohio Nurserymen and Landscapers Association.

### **Program Content**

The student will learn:

- Basic Landscape & Gardening Skills
- Floral Design
- Greenhouse Operations
- Plant Propagation
- Sales Techniques
- Job Shadowing
- Paid Internships
- Computer Techniques
- How to Apply for a Job
- Interview Techniques
- Resumé Writing
- Portfolio Creation
- Entrepreneurship

## **Career-Based Intervention/Gates Mills**

*Two-year*

*Site: Gates Mills Environmental Education Center*

This program offers students an exploration of Horticulture-related careers. Half-day is spent at the Gates Mills Environmental Education Center or at work sites. The other half-day is classroom time which includes Virtual Learning academics (Math, Science, English, Social Studies).

*Participation guidelines:*

- At-risk students ages 14-15;
- Referral from guidance counselor and principal

### **Program Content**

The student will learn:

- Landscape & Gardening Skills
- Floral Design
- Greenhouse Operations
- Plant Propagation
- Sales Techniques
- Public Gardening
- Virtual Learning-Academics
- Computer Techniques
- Kinds of Businesses
- Resumé Writing
- Interview Techniques
- How to Locate a Job Opening
- How to Apply for a Job

# HOW TO APPLY

## Admission Procedure

Students who are enrolled in one of the Excel TECC consortium districts and who meet the requirements of the program should go to the Excel TECC website to complete an on-line application.

Home school counselors will review applications.

For further information, please contact

Mr. Joe Hayes (Excel TECC) at 440-995-6761.

(See prerequisites and recommendations for programs; high school attendance and discipline records are also considered.)

## Excel TECC Timeline

### October/November 2019 -

Excel TECC visits consortium high schools' 10th grade classes

### December 5–2019 -

Opportunity Day/Night: Students visit during the day (field trip);

Parents/guardians/students visit during the evening

### December 2019/January 2020 -

Applications accepted

### January 16–2020 -

Interview Day: Prospective students interview with program teacher (field trip)

### February 2020 -

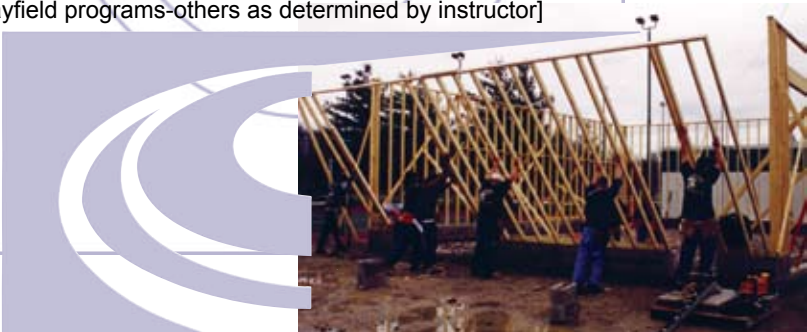
Student acceptance letters mailed; Home school counselors notified

### March–August 2020 -

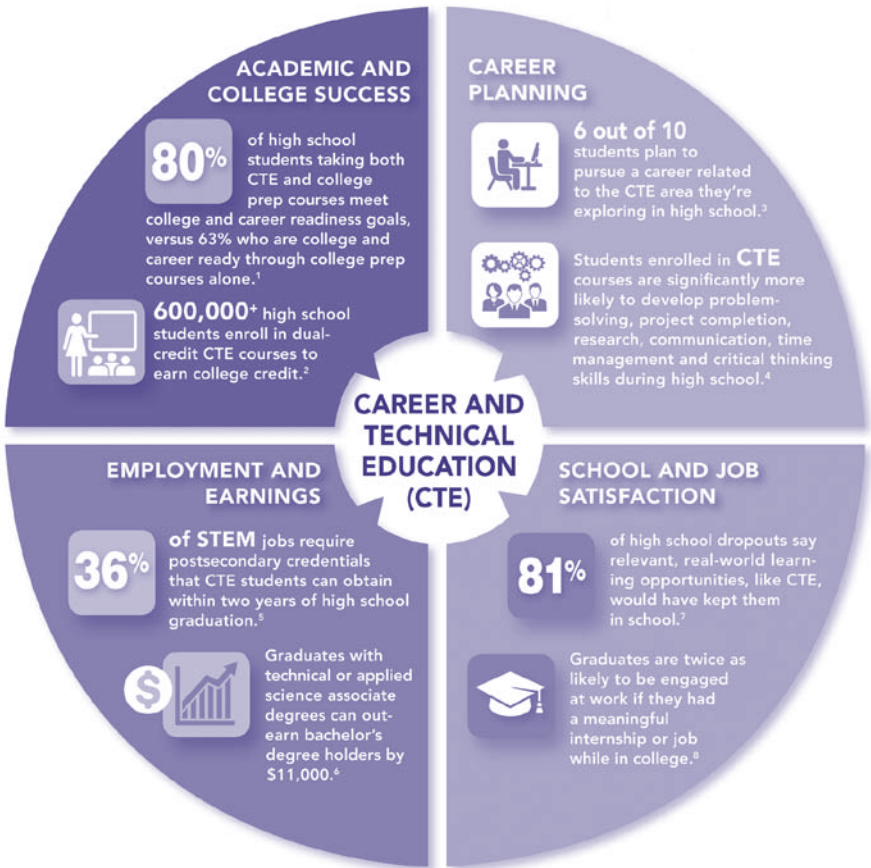
Late applications accepted to programs with openings

### August 2020 -

Orientation Day for in-coming 2020-2021 students  
[Mayfield programs-others as determined by instructor]



# CTE: COLLEGE & CAREER READY



Infographic-CTE [Association of Career and Technical Education and National PTA; 1 Southern Regional Education Board, 2 Thomas et al. 2013, National Center for Education Statistics, 3 NRCCUA® and ACTE 2016, 4 Lokes et al. 2007, National Research Center for CTE, 5 Rothwell 2013, Brookings Institution, 6 Schneider 2013, College Measures, 7 Bridgeland et al. 2006, Civic Enterprises, 8 Gallup-Purdue Index report,



## Excel TECC by the Numbers...

- 10** - number of school districts in Excel TECC consortium
- 25** - number of Excel TECC programs
- 95** - % of students who go to college, military or immediate employment after high school
- 100** - % of programs who have students attend college/university
- 615** - years of career technical teaching experience of Excel TECC staff
- 90** - number of new inductees in 2018-19 National Technical Honor Society
- 2,043** - number of Tech Prep college credits claimed by 2019 graduating class [to date]
- 10,870,022** - dollars in scholarship earnings by 2019 graduating class

# STAFF

Director Excel TECC ..... Nathan Bishko  
 Dean of Students ..... Joe Rico  
 Guidance Counselor/Admissions ..... Joe Hayes  
 Secretaries ..... Cathy Catullo, Denise Kluk  
 Career Development (& Excel TECC Marketing) - Kay Vincent

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Allied Health ..... Danielle Blood  
 Auto Collision ..... Lou Masitto  
 Auto Technology ..... Nathan Inbody (Sherry Ebbert, Project Assistant)  
 Business Academy ..... Lisa Simon  
 CADD Engineering Technology ..... Craig Schmidt  
 Construction Trades ..... Rick Zivny (David Hrudka, Aide)  
 Cosmetology-Mayfield ..... Debby Kall, Maryanne Hummell  
 Cosmetology-Willoughby-Eastlake ..... Mindy Montello, Peggy Jean Teske  
 Culinary Arts ..... Kortez Wilson, Stephanie Czech  
 (Pat Stoltz, Aide)  
 Digital Arts & Technology ..... Pat Fenner  
 Environmental Education ..... Becky Gardner,  
 Ed Tuhela, Kim Haydu,  
 Kym Judson, Sam McCracken  
 (Nancy Farmer, Diane Yerrick,  
 David Husat, Technical Assists.)  
 Exercise Science & Sports Rehabilitation ... Justin Murphy  
 Fire/EMS Training Academy ..... Keith Weathersbee  
 Interactive Media ..... Mike Caldwell  
 ITP-Information Technology ..... Ron Suchy  
 Licensed Practical Nursing ..... Kim Nye  
 Marketing ..... Greg Perry  
 Medical Assisting ..... Deanna Sanford  
 Medical Technologies ..... Joanna Davidson, Megan Mauceri  
 Performing Arts Academy ..... Tom Fulton, Dusten Welch  
 (Sara Bogomolny, Assistant)  
 Studio Art & Design ..... Dan Whitely  
 TEACH ..... Patti Krupinski, Katie Ball  
 Welding Technologies ..... Michael Kirchhevel, Mark Stevens  
 (David Ebbert, Project Assistant)  
 Virtual Learning/Math ..... Ryan Schuman  
 Virtual Learning/English ..... Lynne Hammill

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Director WE/NCI ..... Lori Klonowski  
 Coordinator NCI-Eastlake ..... Victoria Morley  
 Coordinator NCI-Willoughby ..... Deanna Elsing  
 Secretaries NCI ..... Diane Marchand, Jeanette Grady  
 VOSE Special Ed. Coordinator (Mayfield).... Anthony Corpora  
 Vocational Director (Brush)..... Lorraine Fuller  
 VOSE Coordinator (Brush) ..... Jeff Berenson  
 VOSE Coordinator (Solon) ..... Mary Ellen Simecek  
 VOSE Coordinator (Beachwood)..... Jennifer Curall  
 Transition Coordinator (Orange)..... Christine Noy



# STAFF BIOGRAPHIES

## **Katie Ball**

*Education:* BS from Mercyhurst College in Family and Consumer Sciences Education; Kent State University - Career and Technical, Education and care; Master's Degree-Cleveland State University in Educational Research. *Work Experience:* TEACH/Early Childhood Education Excel TECC (10 yrs); Middle School Family and Consumer Sciences Teacher for the Millcreek Township School District in Erie, PA. (1 yr) Career Pathways to Teaching Instructor for Lakewood City Schools. (2 yrs). *Hobbies:* Raising my children (8, 6, and 3 years old), baking, reading, sewing and watching sporting events.

## **Nathan W. Bishko**

*Education:* Cleveland State University-Master of Education in Educational Administration; Bachelors of Science in Physical Education. *Work Experience:* Director of Excel TECC (9 yrs); 7 years in Richmond Heights Local Schools (1 teaching, 4 as Assistant Principal and 2 as Principal of Richmond Heights Secondary School); Physical Education teacher (5 yrs)-Mayfair Elementary and Shaw High School/East Cleveland Schools. *Hobbies:* Spending time with his wife and three children, golfing, basketball, running, reading about golf and watching golf!

## **Danielle Blood**

*Education:* Lakeland Community College (Associates Degree in Applied Science- Nursing), Registered Nurse, Wound Care Certified Nurse. *Work Experience:* 4 years as a Psychiatric Nurse, 12 years as the Assistant Director of Nursing in LTC and Skilled Rehab, 5 years Allied Health Instructor. *Hobbies:* Traveling, Spending time with kids sporting activities (basketball, baseball, competitive cheerleading)

## **Michael Caldwell**

*Education:* Ohio University-MFA; Cleveland Institute of Art-BFA. *Work Experience:* Excel TECC (Mayfield)-Interactive Media program teacher (16 yrs); Ursuline College-Adjunct Graphic Arts Teacher; Fox 8 Cleveland-Broadcast Graphic Design; Cleveland Museum of Art-Educational Technology Coordinator; Self-Employed Web Design; U.S Air Force-Weather Specialist. *Awards:* Lakeland Tech Prep Showcase Interactive Media First Place student team - 2005; Ohio State Skills USA Tech Prep Showcase Interactive Media First Place student teams - 2006, 2010. *Hobbies:* Art, hiking.

## **Stephanie Czech**

*Education:* Kent State University - Bachelor's in Business Management/Human Resources; Cleveland State University: Middle Childhood (4-9) teaching license in Math, Language Arts & Reading; Walden University: Master's in Education (Literacy & Math); University of Akron: Bachelor's in Family & Consumer Sciences and Career Technical (4-12) teaching license. *Teaching work experience:* Excel TECC Culinary Arts II teacher; Georgia Military College, Adjunct instructor of Math, Reading, ELA & Intro to Education (present); Garfield Heights City Schools, ELA/Reading (5 yrs), Math (13 yrs), FCS (1 yr); *Corporate World work experience:* Guardsmark Inc., Human Resources Specialist; Park City Solutions, Human Resources Coordinator. *Hobbies:* Spending time with my family, cooking and baking, exercising and enjoying the outdoors -- preferably by a pool on a hot summer day :)

## **Joanna Davidson**

*Education:* Notre Dame College - BA, Ursuline College - BSN, Kent State - currently working on Certificate/Excel TECC. *Work Experience:* Excel TECC/Medical Careers/Medical Technologies (12 yrs); Advance Clinical Nurse, University Hospitals of Cleveland; Medical/Surgical Nursing, ICU Nursing, Gastrointestinal Head Nurse at University Hospitals of Cleveland; Maternity Staff RN, Home Care/Hospice Care, Emergency Room/ staff RN, Pediatric Intensive



# STAFF BIOGRAPHIES

Care Unit-Cleveland Clinic Foundation; Ursuline College Clinical Instructor/Nursing/Maternity and Medical Surgical rotations; Metro Hospital Pediatric Nursing Instructor/ clinical; CPR health certified, HIPAA certified. *Awards:* Award of Excellence from the State Board of Ohio Nurses; Member of the Sigma Theta-National Education Honor Society for Registered Nurses. *Hobbies:* Family and friends, volunteer work- Pancreatic Health Care Volunteer Committee CCF, knitting, sewing, cooking, swimming, football fan, entertaining, decorating and shopping, nature walks.

## **Patrick Fenner**

*Education:* Kent State University-Masters in CTTE Education and Bachelors in Business Administration. *Work Experience:* Excel TECC Digital Arts and Technology teacher (11 yrs); Hudson Cable Television-Production Assistant (9 yrs); Technology consultant; Cleveland Municipal School District, Hudson City School-Broadcast Journalism technical instructor (6 yrs); Owner of VisualKarmaL Photo, Video and Sound (10 yrs); Cleverock.com-Media editor and head photographer (11 yrs).

## **Thomas Q. Fulton**

*Education:* Master of Education, Kent State University; BFA Southern Methodist University, Graduate, Interlochen Arts Academy; Foundation for the Extension and Development of American Professional Theatre-Marketing and Advertising the Arts; *Work Experience:* Founder and Artistic Director, Center Repertory Theatre/Playhouse Square; Artistic Director, Phoenix Theatre Ensemble; Executive/Artistic Director Cleveland Theatre Company; Company Member (actor, director) The Cleveland Play House(6 yrs); Artistic Director Cain Park Summer Theatre; Member, Actor's Equity Association (44 yrs); Executive Director, Fairmount Center for the Arts; Solo Actor-Carnegie Hall NYC with the American Symphony Orchestra. *Awards:* Times Award Best Actor (5); Times Award Best Director (4); Best Professional Production, The Three Sisters, Cleveland's Critic Circle; Northern Ohio Live Award-Directing Hamlet; Award winning roles: Don Quixote in Man of LaMancha, Tevye in Fiddler on the Roof, King Lear in King Lear, Astrov in Uncle Vanya, Emile DeBecque in South Pacific, George in Who's Afraid of Virginia Woolf; Award winning plays directed: The Three Sisters, Streamers, Getting Out, Night Mother, Vanities, Uncle Vanya, King Lear, Hamlet, The Cherry Orchard, Cyrano DeBergerac, The Ruling Class. *Hobbies:* Grandfather of 4; Tom and his wife Kathy also raise geese, ducks and swans; amateur woodworking; web designer; and novelist, who has been working on a book for the past 23 years to no avail; last but not least, avid fresh water fisherman whenever a lake is on the horizon.

## **Rebecca Gardner**

*Education:* The Ohio State University-Bachelors degree/Agriculture; Kent State University-Masters degree/Education; Kent State University-Career Based Intervention endorsement, Permanent Teaching certificate. *Work Experience:* Environmental Education Teacher (31 yrs); Horticulture industry experience-florist-design and delivery, garden center-sales, landscaper (8 yrs); Professional Certifications: Ohio Pesticide Applicator; Ohio Garden Center Technician. Professional memberships: AmeriHort, Perennial Plant Association, Ohio Wildlife Federation, Cleveland Botanical Garden, Ohio Turf Grass Association, Ohio Nursery and Landscape Association. *Hobbies:* Sports (OSU Football and Cavaliers Basketball), gardening, music, hiking, clam bakes, card games, volunteering, spending time with family and friends.

## **Kimberly Lynn Haydu**

*Education:* Lakeland Community College-Associate of Arts; The Ohio State University-Bachelors- Science/Agriculture; England Study Abroad Program; Ashland University-Master of Education; CTAE Leadership Academy, Career-Based Intervention Endorsement. *Work Experience:* Gates Mills Environmental Education Center Instructor (20 yrs); FFA Advisor, Sea World of

# STAFF BIOGRAPHIES

Ohio-1999; Mentor Board of Education-1991-1998; Butterflies Flower and Balloons Florist-1995-1998. *Professional Memberships:* Cleveland Botanical Garden, The Ohio Nursery & Landscape Association. *Hobbies:* Travel, gardening, yoga, working out, and spending time with family.

## Joseph C. Hayes

*Education:* Lakeland Community College-Associate of Arts; Baldwin Wallace College-Bachelors- Certified Kindergarten-8th Grade; Cleveland State University-Masters-Guidance/Counseling. *Work Experience:* Excel TECC-Guidance Counselor (19 yrs); Lander Elementary School (Mayfield)-11 yrs-Kindergarten, 2nd and 4th grade; Certified Business Etiquette Trainer, Certified Communication Skills Trainer, Certified Life Skills Trainer, Co-Pastor local community church (13 yrs); Manufacturing Industry-Materials Inspector and Tool and Die Maker Apprentice (6 yrs); retirement community-Program Service Director (6 yrs). *Awards:* Eight time recipient of the Top 40 Teaching Excellence Award. *Hobbies:* Enjoys being with his wife, children and grandchildren; reading the Bible and doing Biblical research; baseball; hiking; exercising/T-25; amateur etymologist-one who studies the origin of words, their meaning and how their form changes with time.

## Maryanne Hummell

*Education:* Kent State Certificate Program. *Work Experience:* Mayfield High School-Cosmetology Teacher (26 yrs); Cosmetology experience-41 yrs; Attended Hair World/Washington and Las Vegas; Students competition/Midwest Beauty show in Chicago. *Awards:* Award of Excellence from State Board of Cosmetology; Mayfield City Schools Excellence Award; Academic Booster Staff Award; Member-NCA, OEA, OCCTA, Academy Pro Hair Extension Certification, Icon Shear Certification. *Hobbies:* Reading, vacationing and spending time with grandchildren.

## Nathan Inbody

*Education:* Bowling Green State University-Bachelor of Science/Technology Education; Valley City State University-Masters/Career and Technical Education. *Work Experiences:* Willoughby-Eastlake Schools (3 yrs); Wickliffe City Schools 2007-2017 Industrial Arts Instructor; Fabricator / Carpenter / Automotive Technician / Electrician. *Credentials:* Ohio State Department of Education Teaching License in Technology Education. *Hobbies:* Drag Racing / Motorsports Fabrication / Camping / Boating.

## Kym Judson

*Education:* Lakeland Community College; Kent State University-Bachelor of Science in Education; Masters level work at Lake Erie College; Ashland University. *Work Experience:* 42 yrs in the Horticulture industry including floral design, greenhouse and garden center management, private estate gardening; 28 yrs at the Gates Mills Environmental Education Center-10 yrs as Horticulture job trainer and 18 yrs as a Horticulture instructor. *Professional Memberships:* Ohio Florist Association, The Design Network, Ohio Certified Nursery Technician, Ohio Garden Center Technician, The American Horticulture Society. *Hobbies:* Travel, gardening, outdoor activities, community events, working out and spending time with my family, friends and grandchildren.

## Deborah Kall

*Education:* Kent State Certificate program. *Work Experience:* Cosmetology teacher (33 yrs); 41 yrs experience in Cosmetology Field; Attended Hair World/Washington and Las Vegas; Attended Chicago Hairshow and students competed in competition. *Awards:* Award of Excellence from State Board; Mayfield City Schools Excellence Award; Mayfield Booster Award; Golden Apple Award; Member-NCA, OEA, OCCTA; Academy Pro Hair Extension Certification, Icon Shear Certification; AVIS Recognition; Group Leader at Kent State; VICA competition and

# STAFF BIOGRAPHIES

Advisor; Advisor of Cats Cabinet. *Hobbies:* Reading, walking, needlepoint, spending time with my family, and watching the Cleveland Indians.

## **Patti Krupinski**

*Education:* Bowling Green State University-Bachelor's Degree, Elementary Education, Kindergarten- Eighth grade; Cleveland State University- Master's Degree, Early Childhood Education: Curriculum and Instruction; Kent State University-Career Technical, Education and Care; Ohio University- Reading Endorsement (PK-12). *Work Experience:* TEACH/Early Childhood Education Teacher (11 yrs), Kindergarten Teacher (7 yrs), Preschool Administrator (4.5 yrs), Business Owner of Child Enrichment Center (1.5 yrs), Ohio Department of Job and Family Services Early Childhood Education Licensing Specialist (2 yrs); *Professional Memberships:* National Association for Education of Young Children (NAEYC) member. *Hobbies:* Baking, reading, shopping.

## **Lou Masitto**

*Education:* Kent State, PPG training school (painting), Blackhawk School (Frame Repair), PPG custom painting school. *Work Experience:* 24 years in high volume body shop, body repair, frame repair, painting, etc. *Awards:* ASE Certification (automotive service excellence), PPG certification, PPG custom painting. *Hobbies:* cars, cars, and more cars.

## **Megan Mauceri**

*Education:* Ursuline College - Bachelor of Science/Nursing, Currently working on career tech Licensure/Certification; *Work Experience:* Cleveland Clinic Hillcrest Hospital/Registered Nurse/ Medical Surgical (15 yrs); *Awards:* Nursing Excellence Award-2013/Cleveland Clinic Hillcrest Hospital; *Certifications:* Certified in Basic Life Support, Advanced Cardiac Life Support, CM-SRN) Certified in Medical Surgical Nursing; *Hobbies:* Reading, baking and spending time with my family.

## **Sam McCracken**

*Education:* The Ohio State University ATI-AAS/Horticulture; Kent State University-BS/ Education, Career Based intervention endorsement. *Work Experience:* Gates Mills Environmental Education instructor (21 yrs) - Program assistant (5 yrs); Career Based Intervention Instructor (16 yrs); Retail Garden Center Management (5 yrs); Head Gardner Cleveland Botanical Garden (5 yrs). *Hobbies:* Spending time outdoors and spending time with my family.

## **Justin Murphy**

*Education:* Malone University - Bachelors degree/Exercise Science; Kent State University - Graduate Certificate (post-bachelors certificate)/Career-Technical Teacher Education. *Work Experience:* Exercise Science Teacher (7 yrs); Heath/Fitness Industry Experience: exercise physiology, strength & conditioning coaching, personal training (14 yrs). *Professional Certifications:* Certified Strength and Conditioning Specialist (CSCS) through the National Strength and Conditioning Association (NSCA). *Professional Memberships:* NSCA, Association for Career and Technical Education (ACTE). *Hobbies:* Spending time with family, working out, and reading.

## **Kim Nye**

*Education:* Ursuline College-Bachelors of Science in Nursing – Registered Nurse; Kent State University-Masters of Education in Career & Technical Education. *Work Experience:* (12 yrs) Willoughby-Eastlake City Schools – Willoughby-Eastlake School of Practical Nursing (12 yrs); Cleveland Clinic Foundation – Pediatric Nurse/Medical-surgical nursing floor (16 yrs); Interim Health Care – Home Health Nurse (3 yrs). *Awards:* The Hannah Boland Pediatric Clini-

# STAFF BIOGRAPHIES

cal Excellence Award; Preceptor Certification of Recognition. *Hobbies:* Baking, exercising, gardening, spending time with family.

## **Gregory Perry**

*Education:* The Ohio State University-BA; Marygrove College, Michigan -Masters in Teaching. *Work Experience:* Owner, Re-Design-Residential and Commercial Design Company; Marketing Teacher (27 yrs), Director of Development, Senior Premier Concierge. *Awards:* Junior Achievement National Teacher of the Year, Akron Area Junior Achievement Hall of Fame, Heart of Green Local Hero Award, Hearst Publications New York City, North America Junior Achievement Company of the Year, Fed Ex National Access Award, Greater Cleveland Junior Achievement Company of the Year, Inside Business - "One To Watch"; Recipient, Cuyahoga Falls Teacher of the Year, Martha Holden Jennings Teacher Delegate-National Foundation for Teaching Entrepreneurship - Yale University, National Entrepreneurship Consortium Scholarship Winner, Business and Marketing Standards Committee-ODE and OMEA, Ford Pas Grant Recipient; Junior Achievement Fellows Program, McGraw Hill-Marketing Industry Review Panel, National School Board Association, Ohio School Board Association, Green Building Certification Institute Board Member for Green Class-room Professional Certificate. *Hobbies:* Sailing, working, travel.

## **Joseph Rico**

*Education:* The Ohio State University-BS/Education; Cleveland State University-Masters/Counseling; Ashland University-Administrators Licensure. *Work Experience:* Mayfield City Schools (26 yrs)- Counseling, -Dean of Students/Excel TECC (17 yrs); Private Schools (6 yrs); Corporate work (4 yrs); Willoughby-Eastlake schools-counselor for at-risk school and the technical school (4 yrs). *Hobbies:* Spending time with family, exercising.

## **Deanna Sanford**

*Education:* Kee Business College Norfolk, VA- Medical Assisting Diploma; Kent State University-CTTE Teacher Certification. *Work Experience:* Medical Assistant for 23 years; as well as a STNA for 15 years with 9 years working Hospice care; University Hospitals Orthopedic Foot and Ankle Specialists, Podiatry and Wound care; Cleveland Clinic Family Practice; *Awards:* Dean's List-Kee Business College. *Hobbies:* Baking/Cooking, Gardening, Being outdoors, and demolition/remodeling projects with my husband.

## **Craig Schmidt**

*Education:* The University of Texas at San Antonio - B.F.A./Architecture; San Antonio College; Kent State University - CTTE Teacher Certification; Notre Dame College. *Work Experience:* CADD Engineering Technology (12 yrs), Lecturer of Architecture, Engineering and Fire Science, San Antonio College (5 yrs part-time); Corporate world: Architecture, Engineering, Planning and Development (31 yrs). *Hobbies:* Computers, 3-D printing, stock car racing.

## **Lisa Simon**

*Education:* Ashland University-Master's in Business Administration with a Specialization in Entrepreneurship and Human Resource, Bowling Green State University-Bachelor of Science in Business and Marketing Education; *Work Experience:* Willoughby-Eastlake City Schools, Career Academy (2014-Present), Jackson Local Schools-Jackson High School (10 Years): taught Several Business and Marketing Management courses as well as Business Technology, monitored students at their places of employment and aided in the function of a School Store, Eastlake North High School (2 Years): taught Computer Science, Business Law & Ethics as well as Introduction to Business, Euclid City Schools-Euclid High School (4 Years): taught the Marketing program as well as Keyboarding; DECA Advisor (22 years), BPA Advisor; *Hob-*

# STAFF BIOGRAPHIES

*bies:* Fishing, Gardening, Reading, Home Crafts and Watching the Cleveland Cavaliers and Cleveland Browns.

## **Mark Stevens**

*Education:* Willoughby-Eastlake Technical; Lakeland Community College, Kent State University, Cleveland State University. *Work Experience:* Instructor, Welding and Production Welding (27 years), Welder/Fabricator local companies. *Hobbies:* Fishing, camping, woodworking, sports.

## **Ronald Suchy**

*Education:* University of Toledo-Bachelors Degree/Business Education and Computer Science; Kent State University-Masters Degree/Instructional Technology. *Work Experience:* Mayfield High School: Business Education/Excel TECC: Information Technology & Programming (1997 to present); Fairless High School (Navarre OH) (1994-1997); St. John Central High School (Bellaire OH) (1992-1994). *Activities:* Advisor for SkillsUSA 2006-Present; 2007, 2008, 2009, 2010, 2017 SkillsUSA State and National Championship Advisor; Assistant Varsity Football Coach--May-field High School; Director, Hopes Turn at Bat Charity Softball Tournament; USCG Licensed Master; Chairman, Mar-Lu Sport-Fishing Resort, Inc. *Hobbies:* Outdoors activities, sports, reading, history and travel.

## **Peggy Jean Teske (P.J.)**

*Education;* Community College, Bowling Green College. *Work Experience:* Cosmetology Educator (21 yrs) Private Schools, Aesthetics Director (8 yrs) Private School, State Board Certified CEU Instructor, Aveda Certified Train the Trainer and Coach, (7 yrs) Advanced Medical Aesthetics for Board Certified Plastic Surgeons, Aveda International Awarded 3-Tier, 5-Tier, and 10-Tier Educator Excellence Awards; Attended and/or participated: Shows-Chicago, Columbus, MasterJam Minneapolis, Miami, Charlotte, Mid-America Cincinnati, Summit, and Cleveland; Participated and Coach or Judge; NAHA, VICA, and Skills USA. *Professional Memberships:* OEA,CEA,OACS,AACS,AIA. *Hobbies;* Gardening, drawing and painting, swimming, floral designing.

## **Ed Tuhela**

*Education:* The Ohio State University - Bachelor of Science in Agriculture in Landscape Horticulture; Lake Erie College - Graduate credit (30 hours)-teaching strategies and natural resources; Kent State University - teaching license. *Work Experience:* Excel Tecc - Gates Mills Environmental Center - Landscape Construction and Design Teacher (29 yrs); The Garden Center of Greater Cleveland - Head Gardener (3 yrs); Village Garden Center (1 yr); Hold a commercial pesticide license. *Professional Memberships:* Member of: The Nature Conservancy, Ohio Nursery and Landscape Association, Ohio Landscape Association, American Turf Grass Association, The Cleveland Museum of Natural History. FFA Advisor - 1991 to present for local and state student championships. *Hobbies:* Avid skier, mountain climber, hiking, mountain biking, kayaking, gardening.

## **Keith Weathersbee**

*Education:* Attending Kent State University - CTTE Teacher Certification, Montgomery College - General Studies AA, Montgomery County Fire/Rescue Training Academy - Paramedic, Fire Fighter Certification; *Work Experience:* Fire/EMS Academy Instructor (5 yrs); Montgomery County Fire Rescue Firefighter/Paramedic (7 years); *Awards:* Willa K Little Award for Academic Excellence Paramedic Studies; *Hobbies:* Family, Football, Baseball, Hockey, photography, travel, food and drink.

# STAFF BIOGRAPHIES

## **Dusten Welch**

*Education:* Ashland University-BA/Theatre; Kent State University - Masters degree/Education (*attending*). *Work Experience:* Performing Arts Academy Instructor (4 yrs); Performing Arts Academy Assistant (1 yr); Baldwin Wallace University (3 yrs)- Adjunct Professor; Great Lakes Theatre (2 yrs) - Actor Teacher; Solon Center for the Arts (6 yrs) - Instructor; Freelance Director & Fight Choreographer (11 yrs - over 60 productions). *Professional Certifications:* Society of American Fight Directors - Advanced Actor Combatant. *AWARDS:* Cleveland Scene Magazine - Best Outdoor Arts Experience: Director *A Midsummer Night's Dream* (2015); Kennedy Center's American College Theatre Festival - Certificate of Merit: Fight Direction (2006 & 2015). *Hobbies:* Being outdoors.

## **Daniel Whitely**

*Education:* Master of Arts-Kent State University, Major-Studio Painting; 7-12 Secondary Education Certification-Hiram College; Bachelor Fine Arts/Illustration/Painting Cleveland Institute of Art; *Work Experience:* Studio Art & Design Instructor (7 yrs), Art Department Chairperson-Shaker Heights City Schools; *Awards:* Presidential Scholars Teacher Recognition Awardees, 2008; The Scholastic Art & Writing Award Outstanding Recognition (formational student work honors): 2003-2009, Ohio Governor's Youth Art Exhibition-Top 25 Teacher 2001, 2008; National Foundation for Advancement in the Arts Teacher Recognition Certificate, 2006-2007 young ARTS program.

## **Kortez M. Wilson**

*Education:* Associates Culinary Arts; Pennsylvania Culinary; Kent State-BA Technical Education; Certified (ServSafe) proctor/instructor. *Work Experience:* Excel TECC Culinary Arts Instructor; Former Executive Chef Mustard Seed Market & Café; Former Assistant Team Leader (Executive Chef) Whole Foods Market. *Awards:* 2006 SS Kemp Culinary Competition Silver Medalist; 2013 Ohio ProStart Teacher of Distinction. *Hobbies:* Family, exercise, FOOD FOOD FOOD.

## **Rick Zivny**

*Education:* Kent State Teacher Training program/Career Technical Education. *Work Experience:* Excel TECC-Construction Trades program teacher (24 yrs); NCCER Certification-Master Craft Instructor; Owner/Operator-construction business (16 yrs). *Hobbies:* Fishing, hunting, spending time with family, NFL fan, playing horseshoes.



# EXCEL TECC CONSORTIUM SCHOOLS

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Mr. Pat Ciccantelli, Superintendent;  
Dr. Paul Milcetic, High School Principal  
330.562.3501

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Mr. Robert P. Hardis, Superintendent;  
Mr. Paul Chase, High School Principal  
216.831.2080

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Mr. Robert Hunt, Superintendent;  
Ms. Monica Asher, High School Principal  
440.247.2583

- **Mayfield City School District**

Dr. Keith Kelly, Superintendent;  
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Mr. Karl Williamson, High School Principal  
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- **West Geauga Local School District**

Dr. Richard Markwardt, Superintendent;  
Mr. Jay Bishop, High School Principal  
440.729.5950

- **Willoughby-Eastlake School District**

Mr. Steve Thompson, Superintendent;  
Mr. Eric Frei, North High School Principal  
440.975.3666  
Ms. Robin Hopkins, South High School Principal  
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