



# Career and Technical Education (CTE)

Mrs. Christine LoFrese  
*CTE Director*



Smithtown Board of Education Meeting  
December 12, 2023

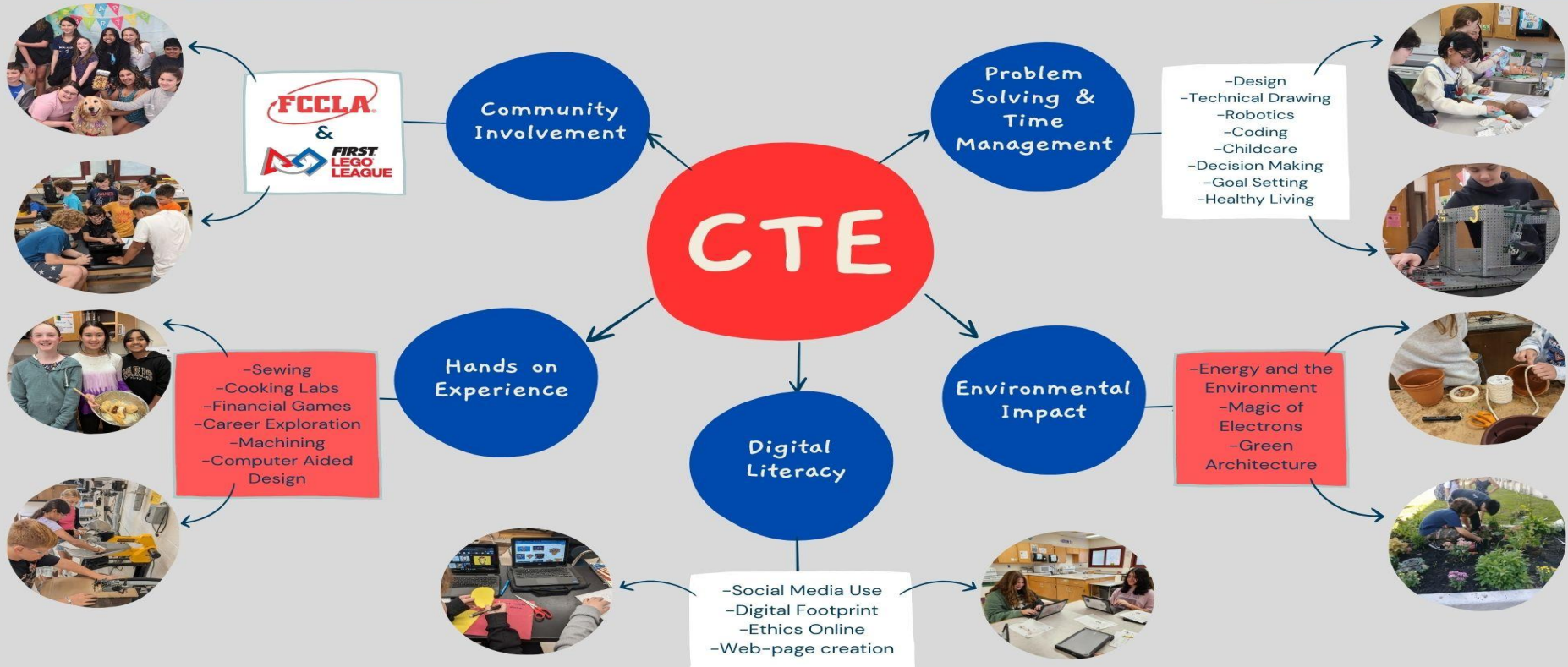
[www.smithtowncte.com](http://www.smithtowncte.com)



# MIDDLE SCHOOL CAREER & TECHNICAL EDUCATION

## DEVELOPING INDEPENDENT LIFE SKILLS ONE COURSE AT A TIME

Technology Literacy - Technology Education - Family & Consumer Sciences - Project Lead the Way - Family Career & Community Leaders of America - First Lego League



# Food & Nutrition

**Baking I & II**

**Chef's Choice I & II**

**Food for Life**

**College Food Science**

**New for 2024**

**Can be used as a 3rd unit of Science 4 college credits**



**The Grilled Cheese Challenge!**

**HSE & HSW Chef's Choice 1 Fall, 2022**

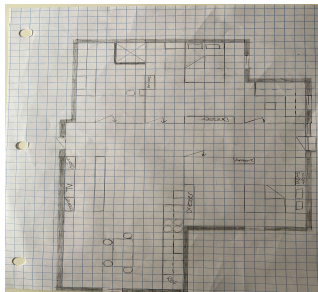
Business • Family & Consumer Sciences • Technology Industry Advisory Board



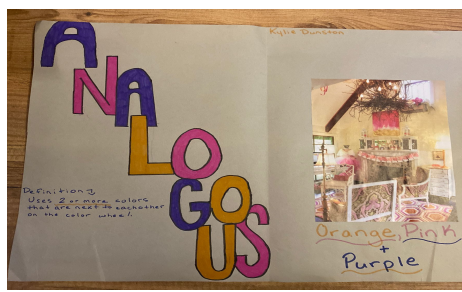
# Home & Personal Management

## Clothing Construction I

Can be used as an Art/Music Credit

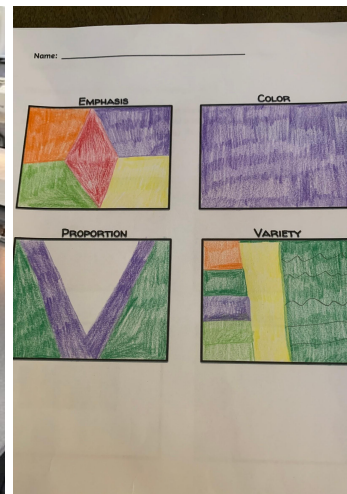


## Clothing Construction II



## College Interior Design

Can be used as an Art/Music Credit  
 3 college credits



# Pre-School & Child Development

Child Development

College Child Development

Early Childhood & Pre-School

3 college credits

3 college credits

Advanced Early Childhood /  
Pre-School

Advanced Early Childhood /  
Pre-School Leadership

Preschool Teacher Prep



# FCCLA



Fruits & Veggies Challenge

Holiday Pie Sale

Holiday Boutique of  
Homemade Items

Cook-off Competitions

Fundraisers

Charity Work

Food Collections



*Fruit & Vegetable Challenge*



# CTE Graduation Pathways

Can be used for Regents and Advanced Regents Diploma as a “4 + 1” pathway



## CTE Approved Pathway



## CTE Approved Pathway

### Required Courses

**\*\*3.0 credits from:**

College Food Science

(1 credit)

Chef's Choice I

(.5 credit)

Baking I

(.5 credit)

Personal Financial

Management

(.5 credit)

College & Career Planning

w/ CEIP in Food/Nutrition

(54 hours of Work Based

Learning)

(.5 credit)

OR

Career Jump Start w/

Cooperative Internship

(54 hours of Work Based

Learning)

(.5 - 2.5 credits)

### Additional Courses

**\*\*minimum .5 credit from:**

Chef's Choice II

(.5 credit)

Baking II

(.5 credit)

Food for Life

(.5 credit)

### Precision Exam 340

**Students must get a passing grade on the Precision Exam 340 (Food and Nutrition)**

### Work Based Learning

Each student who pursues a CTE endorsement must take *College & Career Planning* or *Career Jump Start* and participate in a Career Exploration Internship Program (CEIP) or Co-op Work Program through the Work Experience Coordinator

## Food & Nutrition 3.5 credits



Multiple pathways recognize the importance of engaging students in rigorous and relevant academic programs. The regulations approved in 2015 and 2016 recognize students' interests in various areas, such as Career and Technical Education (CTE).

Under the "4+1" pathway assessment option, students must take and pass four required Regents Exams (one in each of the following subjects: English Language Arts, Mathematics, Science, and Social Studies) and complete a comparably rigorous pathway to meet the fifth assessment requirement for graduation.

### Required Courses

**\*\*3.0 credits from:**

Child Development

(.5 credit)

College Child Development

(.5 credit)

College Early

Childhood/Preschool

(.5 credit)

Advanced Early

Childhood/Preschool

(.5 credit)

Advanced Leadership Early

Childhood/Preschool

(.5 credit)

Personal Financial

Management

(.5 credit)

### Additional Required Courses

**\*\* .5 credits from:**

College & Career Planning

w/ CEIP in Human

Development

(54 hours minimum of

Work Based Learning)

(.5 credit)

OR

Career Jump Start w/

Cooperative Internship

(54 hours minimum of

Work Based Learning)

(.5 - 2.5 credits)

### Precision Exam 320

**Students must get a passing grade on the Precision Exam 320 (Child Development)**

### Work Based Learning

Each student who pursues a CTE endorsement must take *College & Career Planning* or *Career Jump Start* and participate in a Career Exploration Internship Program (CEIP) or Co-op Work Program through the Work Experience Coordinator

## Human Development 3.5 credits



Multiple pathways recognize the importance of engaging students in rigorous and relevant academic programs. The regulations approved in 2015 and 2016 recognize students' interests in various areas, such as Career and Technical Education (CTE).

Under the "4+1" pathway assessment option, students must take and pass four required Regents Exams (one in each of the following subjects: English Language Arts, Mathematics, Science, and Social Studies) and complete a comparably rigorous pathway to meet the fifth assessment requirement for graduation.



# Technology Trade Skills

Automotive

Basic Electricity

Computers

Cybersecurity

Woodworking







# Engineering

**PLTW Intro to Engineering Design**

Can be used as an  
**Art/Music Credit**  
3 college credits

**PLTW Computer Integrated Manuf.**

3 college credits

**PLTW Principles of Engineering**

Can be used as a  
**Math/Science Credit**  
3 college credits

**Architecture I & II**

Can be used as an  
**Art/Music Credit**

**Design & Drawing for Production**

Can be used as an  
**Art/Music Credit**



# Robotics

## National Tech Honor Society



Robotics

Get **SET**

**S**mithtown

**E**ngineering and

**T**echnology

*For SUCCESS!*



Team 810

College Robotics

Design & Engineer  
a Robot in 6 Weeks

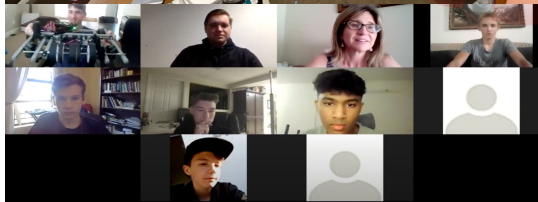
**GIRLS** Night

**G**irls  
**I**nspiring  
**R**obotics and  
**L**eadership in  
**S**mithtown

Competitions

Mentoring Teams from

**South Africa**



Community Events

STEM Promotion



SMITHTOWN HIGH SCHOOL  
CAREER CENTER

# Smithtown HS Career Center



Work Experience



Job Opportunities



Career Assessments



Resume Writing &  
Interview Skills

## NYS Approved Work Experience Programs



Catholic Health  
St. Catherine of  
Siena Hospital



TOWN OF  
SMITHTOWN  
NEW YORK

CLEARVISION  
optical company



Memorial Sloan Kettering  
Cancer Center..



Futterman, Lanza  
& Pasculli, LLP  
ELDER LAW & ESTATE PLANNING



Stony Brook  
Medicine



Northwell  
Health®

JRMGT

Career Exploration Internship Programs (CEIP)



# Industry Advisory Board (IAB)

## Career-Themed Events



STEM Trade Show



Business Olympics



Healthcare Career Expo



Perfect Pitch Networking



“You’re Hired!”



Women Entrepreneurs  
Conference

**45+ Years**

of connecting students to  
industry leaders

**250+**

partnerships with local  
businesses and industry

**Helps Students Build  
Professionalism**

## Student Mentoring



# Course Guide & College Credits



## School of Business Course Guide



Foundation Courses	Marketing / Public Relations Track	Management & Finance Track
Keyboarding for College (.5 cr)	Sports Marketing (.5 cr)	Wall Street: Introduction to Investments (.5 cr)
Personal Financial Management (.5 cr)	College Fashion Marketing (.5 cr)	College Introduction to Real Estate (.5 cr)
Introduction to Business (.5 cr)	College Fashion App. & Acc. (.5 cr)	College Personal Investments (.5 cr)
Math & Financial Applications (1 cr)	College Entertainment Marketing (.5 cr)	College Sports Management (.5 cr)
	College Marketing (1 cr)	College Business Law (1 cr.)
		College Virtual Enterprise (1 cr.)
Accounting Track	College & Career Transition Courses	Computer & IT Track
Accounting (.5 cr)	College & Career Planning (.5 cr)	College Computer Applications (.5 cr)
College Accounting (1 cr)	Career Jump Start (.5 cr)	
College Accounting II (1 cr)		



### 45 College Credits Offered!

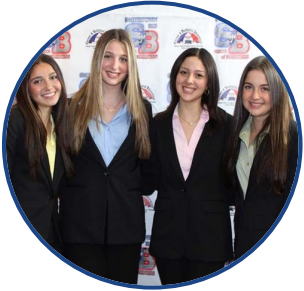
- College Fashion Marketing (3 College Credits)
- College Fashion App. & Acc. (3 College Credits)
- College Entertainment Marketing (3 College Credits)
- College Introduction to Real Estate (3 College Credits)
- College Personal Investments (3 College Credits)
- College Sports Management (3 College Credits)
- College Computer Applications (3 College Credits)
- College Marketing (6 College Credits)
- College Business Law (6 College Credits)
- College Virtual Enterprise (6 College Credits)
- College Accounting (3 College Credits)
- College Accounting II (3 College Credits)



**College Introduction to Real Estate  
New for 2024!**

# Events & Programs

**Business Olympics**



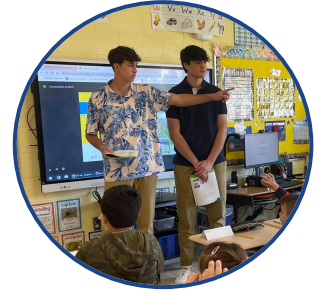
**Etiquette Dinner**



**Awards Ceremony**



**High School Heroes**



**Fashion Club**



**Investments Club**



**LIBTA Competition**



**DECA**



# CTE Graduation Pathways



Can be used for Regents and Advanced Regents Diploma as a “4 + 1” pathway



## CTE Approved Pathway

### Required Courses

**\*\*2.5 credits from:**  
**College Marketing**  
*(1 credit)*

**Personal Financial Management**  
*(.5 credit)*

**College Computer Applications**  
 OR  
**Keyboarding**  
*(.5 credit)*

**College & Career Planning w/ CEIP in Marketing**  
*(54 hours minimum of Work Based Learning)*  
*(.5 credit)*

OR

**Career Jump Start w/ Cooperative Internship**  
*(54 hours minimum of Work Based Learning)*  
*(.5 - 2.5 credits)*

### Additional Courses

**\*\*minimum 1.5 credits from:**  
**College Virtual Enterprise**  
*(1 credit)*

**College Accounting I**  
*(1 credit)*

**Sports Marketing**  
*(.5 credit)*

**College Fashion Marketing**  
*(.5 credit)*

**College Entertainment Marketing**  
*(.5 credit)*

**College Introduction to Real Estate**  
*(.5 credit)*

### Precision Exam 401

**Students must get a passing grade on the Precision Exam 401 (Marketing)**

### Work Based Learning

Each student who pursues a CTE endorsement must take **College & Career Planning** or **Career Jump Start** and participate in a Career Exploration Internship Program (CEIP) or Co-op Work Program through the Work Experience Coordinator

## Marketing 4 credits



Multiple pathways recognize the importance of engaging students in rigorous and relevant academic programs. The regulations approved in 2015 and 2016 recognize students' interests in various areas, such as Career and Technical Education (CTE).

Under the “4+1” pathway assessment option, students must take and pass four required Regents Exams (one in each of the following subjects: English Language Arts, Mathematics, Science, and Social Studies) and complete a comparably rigorous pathway to meet the fifth assessment requirement for graduation.



## CTE Approved Pathway

### Required Courses

**\*\*2.5 credits from:**  
**College Accounting I**  
*(1 credit)*

**Personal Financial Management**  
*(.5 credit)*

**Wall Street: Introduction to Investments**  
*(.5 credit)*

**College & Career Planning w/ CEIP in Accounting**  
*(54 hours minimum of Work Based Learning)*  
*(.5 credit)*

OR

**Career Jump Start w/ Cooperative Internship**  
*(54 hours minimum of Work Based Learning)*  
*(.5 - 2.5 credits)*

### Additional Courses

**\*\*minimum 1 credits from:**  
**College Accounting II**  
*(1 credit)*

**Business Math**  
*(1 credit)*

**Accounting (½ year)**  
*(.5 credit)*

**College Personal Investments**  
*(.5 credit)*

**Introduction to Business**  
*(.5 credit)*

**College Business Law**  
*(1 credit)*

**College Computer Applications**  
 OR  
**Keyboarding**  
*(.5 credit)*

### Precision Exam 210

**Students must get a passing grade on the Precision Exam 210 (Accounting)**

### Work Based Learning

Each student who pursues a CTE endorsement must take **College & Career Planning** or **Career Jump Start** and participate in a Career Exploration Internship Program (CEIP) or Co-op Work Program through the Work Experience Coordinator

## Accounting/Finance 3.5 credits



Multiple pathways recognize the importance of engaging students in rigorous and relevant academic programs. The regulations approved in 2015 and 2016 recognize students' interests in various areas, such as Career and Technical Education (CTE).

Under the “4+1” pathway assessment option, students must take and pass four required Regents Exams (one in each of the following subjects: English Language Arts, Mathematics, Science, and Social Studies) and complete a comparably rigorous pathway to meet the fifth assessment requirement for graduation.

# Virtual Enterprise (VE)



## *VE International*



**200,000**  
Students Served  
since 1996

**450**  
Schools Served

\*



**87%**  
of surveyed VE  
students identified a  
career path of interest  
because of VE

\*



**7,000+**  
Active VE Firms

**40+**  
Countries

\*



**Student  
Driven**

Student-directed,  
project-based course  
with the teacher  
acting as a facilitator



**Competitions**

Local, regional, and  
national competitive  
events in Marketing,  
Finance, Human  
Resources, etc.



**6 College Credits**

through Long Island  
University (LIU)  
with guest lectures  
from faculty



# Virtual Enterprise (VE)



## *The First 30 Days of VE:*

Career  
Assessment



Resume & Cover  
Letters



Chief  
Interviews



Department  
Hiring



Brand  
Development



# Virtual Enterprise (VE)



## *Experiential Learning*

Running the Business

Sales Meetings

Trade Shows

Website Generation

Promotional Material



Financial Tracking

HR Management

Leadership Application

Business Plan Writing

Professional Presentations

# Virtual Enterprise (VE)



## Competitions

Firm Executive Summary

Business Plan Presentation

Elevator Pitch

Trade Show Booth Contests

Departmental National Competitions



# Virtual Enterprise (VE)



## Smithtown VE



### Student Enrollment

2020-21

39



2023-24

81



# Areas of Future Growth



Expand the CTE Pathways in Business to include  
“Business Administration/Entrepreneurship”



Add CTE Pathway in Technology  
“Trades & Engineering”



Continue to Evaluate Course Offerings to  
Increase Enrollment in Courses



# Thank You!



[www.smithtowncte.com](http://www.smithtowncte.com)



**“I’ve always known I wanted to have some type of entrepreneurial role in my career and spending the past 3 months as CEO of my VE company has only solidified this feeling.**

**VE has given me a wonderful opportunity to push my leadership skills and further identify where my strengths lie and where my areas of growth exist.**

**This experience has placed me on a trajectory to improve my career-oriented skills and people skills while making an impact in any room I walk into.”**

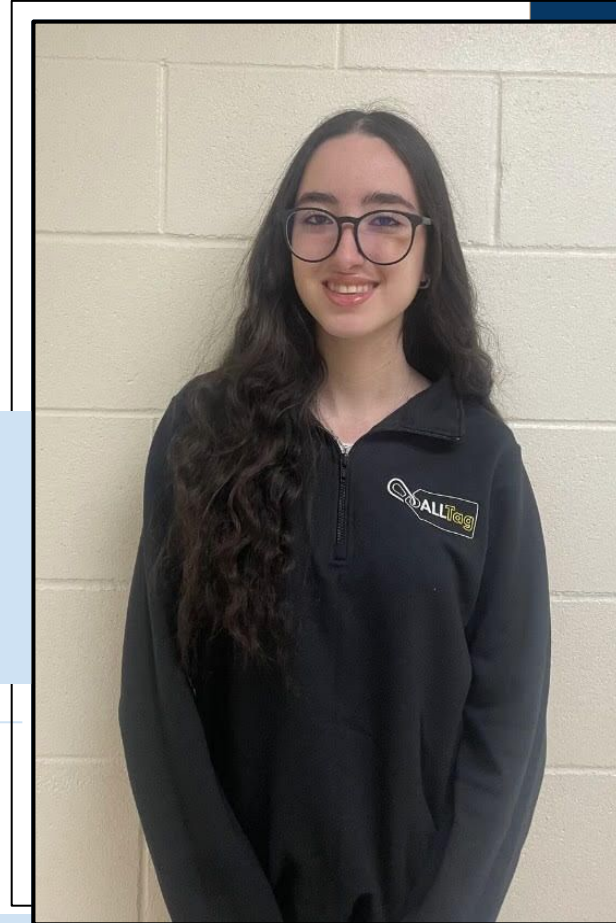
**—Jackie Caulin, CEO**  
***R&R Solutions***



**“Being the CEO of ALLTag I have been able to bring not only a company off the ground but also a team of staff together. Many of these students have never interacted before and now we are all working together everyday to produce the best work possible.**

**Virtual Enterprise has allowed me to lead a class and gain so much real world experience that I would’ve never had the opportunity otherwise.”**

**—Allison Tawil, CEO**  
*AllTag*







**“My VE experience as CEO has so far been the best experience I've had throughout my entire high school career. This class has not only taught me how to become a better leader and work more efficiently with my peers, but has allowed me to experience the many roles that it takes to create our own business.**

**As well as this, I've been taught the different departments in each business and was able to confirm my future major in marketing. I am so grateful for my experience as CEO so far and can't wait for the future of our company.”**

**—Rebecca Gelman, CEO**  
*SpiritBoost*



**“From being a CEO in Virtual Enterprise I haven't just learned a lot about how to run a business but I learned a lot about myself. Not only does running a business come with taking responsibility of yours along with your company's decisions, dealing with problems in the workforce and preventing the same mistakes from happening again, but also it comes with self growth.**

**VE has taught me to believe in myself and to push myself to be the best version of myself possible. If it weren't for VE I wouldn't have found myself a hobby and career I am interested in majoring in college, and most importantly I wouldn't have found myself.”**

**—Mallory Anderson, CEO  
Doggo**

