

# Levittown Public Schools

GC Tech

2016-2017

Proposed Budget



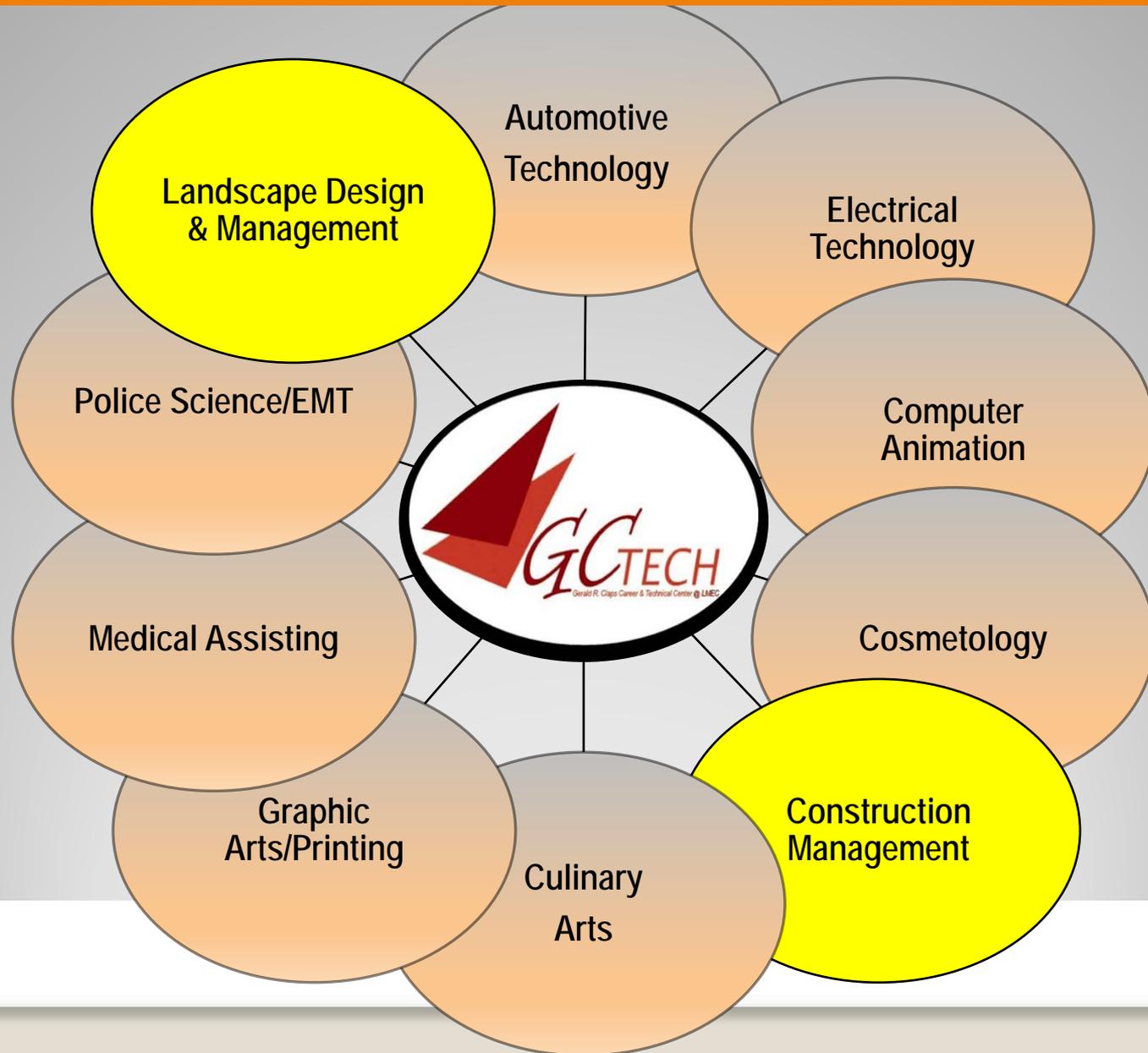
Presentation to the Board of Education

Frank Creter - Director

Gerri Fox-Wilson, Chairperson

February 3, 2016

# What do we offer?



# College and Career Readiness

**Vision:** College and Career Readiness in NYS will ensure that *all* students who graduate high school will be able to succeed in postsecondary programs of study and the workforce, understand and demonstrate citizenship skills, and meaningfully contribute to the economic and democratic well-being of our society.

# Our Goals...

- Continue to evaluate the rigor and relevance of all CTE coursework and how it aligns to business/industry standards
- Continue to strengthen our relationships with businesses and colleges to seek opportunities for our students.
- Promote the good work of our staff and students, increase GC Tech's visibility and what we can offer future students.
- Provide more transitional services for our students to obtain internship, work, and college opportunities.
- Expand our Work-Based Learning (WBL) Program.
- Increase CDOS opportunities/experiences.

# Current CTE Programs

## ➤ Automotive Technology

- Engine performance
- Electrical wiring
- Brake diagnosis and repair
- Steering and suspension systems

## ➤ Computer Animation

- Animation and motion graphics
- Broadcast design
- Digital editing and DVD authoring
- 2D/3D animation and application development

## ➤ Construction Management

- Carpentry skills
- Blueprint reading
- Building codes
- Project management

## ➤ Cosmetology

- Foundations of hair cutting, coloring and styling
- Skin, nails and hair care
- 1,000 hours of training to apply for the NYS Board Cosmetology License Exam

## ➤ Culinary Arts

- Fundamentals of baking, cooking and wait staff/hospitality
- Menu planning
- Food science
- Health and safety procedures

## ➤ Electrical Technology

- Reading blueprints and creating schematic diagrams
- Basic wiring and circuitry
- Alternate power sources
- Motors and generators

# Current CTE Programs

## ➤ Graphic Arts

- Designing and creating graphics
- Website design
- Advertising and marketing
- Printing and production

## ➤ Landscape Design & Management

- Layout residential & commercial property plans
- Design & drafting software (CAD)
- Prepare client presentations
- Horticulture Sciences
- Site analyses – Plant life, soil conditions, lighting
- Project estimates/budget

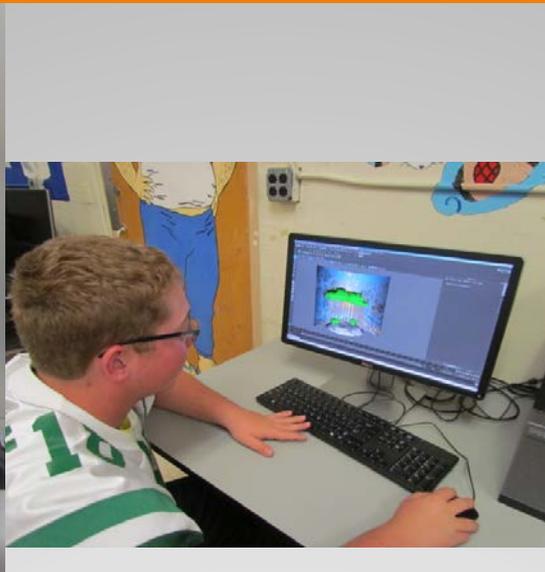
## ➤ Medical Assisting

- Entry level skills in administrative and clinical areas
- Simulate medical charts and patient history
- Participate in a 15-week internship at NUMC

## ➤ Police Science/EMT

- Criminal laws and procedures
- Crime scene investigation and forensics
- Emergency Medical Technician, security guard and dispatching instruction

# Hands on Learning



# Life-long Skills



# Points of Pride

- ALL programs are approved by SED to provide CTE endorsed high school diplomas.
- ALL programs offer Articulation Agreements.
- Two students from Mr. Luna's Automotive Technology Class placed 3<sup>rd</sup> at the Greater NY Dealers Association Competition
- New Culinary Arts industry standard POS ordering system
- Automotive Youth Educational Systems (AYES) certification.
- YouTube contestant winner! Ms. Stine's cosmetology student won first prize- a photo shoot for Seventeen Magazine.
- New Healthcare 21 software in Medical Assisting/Ipad cart.
- New Leprechaun software in Cosmetology
- OSHA certification for Automotive & Electrical Technology students
- Alumni participation at GC Tech Open House.
- Fulfills CDOS requirements.

# CTE Endorsement



- Pass NOCTI Exam (National Occupational Competency Testing Institute)
- 77% or greater CTE average
- Acceptable attendance
- Work/Industry experience
- Seals for diplomas are sent to Principals

YT @LoveFromLiyax  
With an eye for greatness,  
super-talented Liya is just as  
creative off camera as she is on.

YT @takingongiselle  
A bilingual blogger, Giselle's  
book smarts are just as  
impressive as her style genius.

YT @kelsbeautytips  
Confidence is key for Kelsey,  
who radiates positivity and  
beauty from the inside out.



## BEST PROM EVER

shop blogger-approved dresses, awesome accessories, salon-styled  
hair and must-have makeup—all in one spot, all for a great price

**\$59.99**  
Love Reigns  
floral party dress  
reg. \$100

**\$119.99**  
City Triangles  
lace 2-pc. dress  
reg. \$200

**\$89.99**  
juniors' plus  
My Michelle  
jeweled  
long dress  
reg. \$150

# JCPenney

MORE STYLES AT [JCP.COM/PROM](http://JCP.COM/PROM)

# Kelsey Grennan



# Points of Pride

- 2015 program statistics
  - 173 Seniors
    - 100% Graduated
      - 81% - Graduates attending a college or trade school
      - 19% - Graduates who secured full time employment or enlisted in the military

# Multiple Pathways Diploma

- Pathways engage students at all levels of achievement and offer students an opportunity to explore arts, humanities, science, technology, math and careers.
- Pathways are aligned to college and career ready standards, while also providing technical skills and work-based learning opportunities.
- Students may take an additional, approved exam within a pathway to fulfill part of the Regents examination graduation requirement.

## Arts

- Students pursuing a pathway in the arts have opportunities to explore and demonstrate learning in the performing arts, visual arts, and technical arts.
- Pathways exams will be determined by a Blue Ribbon Panel on the Arts.

## CTE

- Students in the CTE pathways have opportunities to explore a number of career and technical pathways that focus on work-based learning in career and technical fields.
- Pathways exams may include approved national certification or CTE exams.

## Humanities

- Students pursuing a pathway in the Humanities may focus study in languages, social studies, literature, philosophy or other social studies.
- Pathways exams may include alternative assessments in social studies, literature or languages.

## STEM

- Students pursuing a STEM pathway may focus study in the sciences, technology, engineering or math.
- Pathways exams may include alternative assessments in the applied sciences, technology, engineering or math.

## Current (5 exams)

- 1 Math
- 1 English
- 1 Science
- 2 Social Studies

## New Pathways Diploma (5 Exams)

- 1 Math
- 1 English
- 1 Science
- 1 Social Studies
- 1 Pathway Exam -- students select one of the following:
  - 2<sup>nd</sup> Social Studies
  - 2<sup>nd</sup> Math
  - 2<sup>nd</sup> Science
  - CTE
  - Humanities
  - Arts
  - STEM



**We are ready for new requirements**

# Planned Initiatives 2016-2017

- New Program: Landscape Design & Management
- New Program: Construction Management
- Graphic Arts Program > Graphic Arts/Printing
- Medical Assisting > Update curriculum to reflect medical professional visitations. Research inclusion of medical scribe program/certification.
- Expand Work-Based Learning (WBL) Program.
- Increase CDOS opportunities/experiences.
- Electrical Technology-expand upon green energy, robotics circuitry.

# Construction Management



# Construction Management

Working as a construction manager affords students the chance to learn a construction project from beginning to end...

From the planning stage with architects & engineers....  
To the budgeting stage with cost estimators....  
To the production stage with laborers.



# Construction Management

## Our students will

- Survey landscapes/job sites
- Read & sketch blueprints
- Provide cost estimates
- Understand building codes & financial management
- Troubleshoot emergencies
- Apply residential drafting software
- Effectively communicate in the workplace



# Construction Management

## Our students will

### Participate in

- Hands-on learning projects (in our 40,000 sq. ft. facility)
  - Physical construction building
  - Site inspections
  - Carving & woodworking
  - Computer aided drafting
- Internships
- OSHA Certification



# Construction Management

## Job Outlook

- Employment rate is estimated to grow 16 percent from 2012 to 2022  
...faster than the average for all occupations!
- Nearly 80,000 new management jobs are expected to open



*U.S. News rated the Construction Management career to be the #2 best job in the industry*

# Construction Management

## Potential Colleges in NY:



- Farmingdale State College
- Nassau Community College
- Columbia University in the City of New York
- Apex Technical School
- Pratt Institute
- SUNY College of Technology at Delhi
- CUNY New York City College of Technology
- Baruch College
- Pace University

# Construction Management

## Potential Careers

- Building Contractor
- Design Engineer
- Field Engineer
- Construction Worker/Laborer
- Contract Administrator
- Forensic Engineer
- Industrial Contractor
- Residential Contractor
- Heavy Highway Contractor
- Project Manager



# Construction Management

## Sampling of current job opportunities

- BELFOR's New Construction Division - Long Island / Ronkonkoma, NY
- US Army – Construction & Engineering Opportunities – Islip, NY
- Estimator/Project Manager – MacArthur Airport area
- Construction Project Manager – Fratello Construction
- Carpenter/Commercial Construction – Columbia University, NY
- Residential Construction Inspector – NY, NY
- Estimator – Empire Architectural Products – Freeport, NY
- General labor/Carpenter/Taper/Electrician - The Matrix Group
- Superintendent – Metrofall Condominium Complex
- Professional Engineer – Structural Building and Site Engineer – Bohemia, NY

# Landscape Design and Management



# Landscape Design and Management

## What Landscape Designers Do

- Create attractive & useful outdoor spaces for homeowners, businesses, schools and other organizations
- Draw plans using CAD software or by hand drawing
- Hire installation staff to put in garden beds & build structures
- Meet clients on-site to discuss the requirements of the space
- Create project estimates and maintain budgets



# Landscape Design and Management

## Our Students Will Be Able To

- Gain experience through actively growing & nurturing greenhouse crops
- Layout residential & commercial property plans
  - sketch blueprints
  - placement of grounds
  - planting of crops
- Utilize grounds equipment
  - garden tools
  - design & drafting software (CAD)
- Prepare & participate in client presentations
  - develop communication skills
  - collaborate to create in an academic & professional setting



# Landscape Design and Management

## Our Students Will Be Able To

- Create proposals
  - to convey their vision to clients, builders and classmates
- Manage and modify materials & training processes
  - Perform site analyses
    - assessment of: current plants, soil conditions, lighting, the view and style
  - Assist in quality control
    - survey & inspect garden conditions
    - treat & cut plants and flowers if necessary to maintain healthy conditions



# Landscape Design and Management

## Explore Horticulture Sciences & Practices

**Horticulture Sciences** - the science and art of growing fruits, vegetables, flowers, or ornamental plants

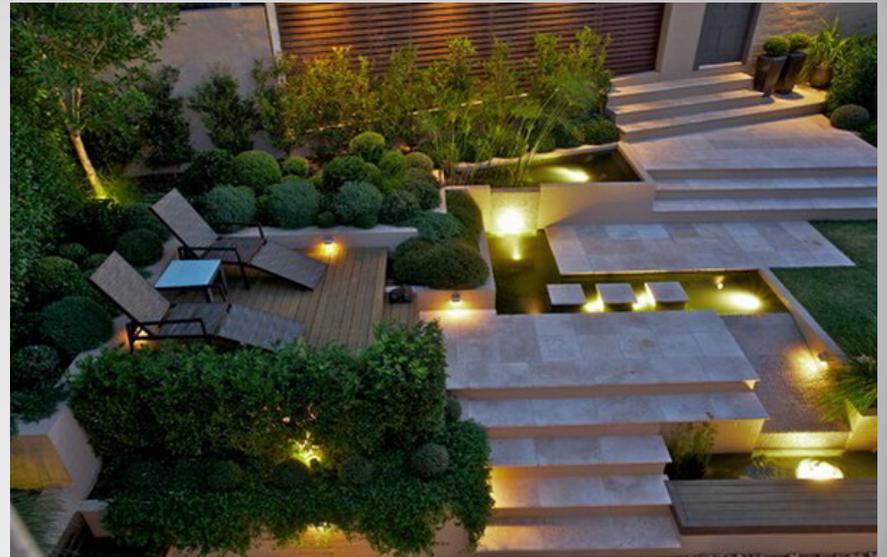
- Hands-on Projects:
  - gardening
  - styling & crop maintenance
  - design – exterior & interior spaces
  - prepare client presentations
  - explore plant varieties
  - visit community sites
  - maintain exterior & interior spaces



# Landscape Design and Management

## Potential Careers

- Landscape Designer
- Landscape Architect
- Interior & Exterior Plantscaping
  - Public parks
  - Private gardens
  - Botanic gardens
  - Sports arenas & theme parks
  - Golf Course management
- Turfgrass Specialist
  - Expert knowledge of grass types
  - Frequent watering, weeding & fertilizing
  - Ensure grass areas are in prime condition for athletics & aesthetics
- Irrigation Contractor
- Greenhouse Design & Preservation
- Plant Pathologist
- Plant Nursery Professional



# Landscape Design and Management

## Potential NY Colleges

- ITT Technical Institute
- Suffolk County Community College
- Farmingdale State College
- SUNY College of Technology at Delhi
- SUNY Cobleskill
- CUNY Bronx Community College
- Niagara County Community College
- Morrisville State College
- Finger Lakes Community College
- Cornell University



# Landscape Design and Management

## Job Outlook

- Seasonal positions: \$20 to \$32 / hour
- Full-time, year-round positions: \$35,000 to \$135,000 per year (plus benefits)
- Employment of landscape architects and landscape designers is expected to increase faster than average - 20 percent - during the next decade



*Environmental concerns and the public's need for beautiful outdoor spaces will drive the job demand*

# Landscape Design and Management

## Job Opportunities

- Project Manager - Department of Parks and Recreation
- Landscape Architect – Office for Metropolitan Architecture – NY, NY
- Aquatec Lawn Care - Irrigation specialist – Massapequa
- Harder Services – Landscape installation foreman – Hempstead
- AutoCAD Drafter/Designer – Residential and retail landscape projects – NY, NY
- Plant Health Care Specialist – SavATree – Brookville
- Landscaper – Green Velvet Landscape – Bayshore

# Planning for College and Career

## Part-Time Guidance Counselor

With the inclusion of a counselor to support our students, we will remain competitive with BOCES pupil services and guidance team.

### Our CTE counselor will

- Provide counseling/support services
- Provide college planning opportunities: college fairs, consultations, applications, essays
- Bridge relationships with businesses/industry
- Expand Work-Based Learning Program
- Expand college articulation agreements
- Liaison with home school counselors
- Create job-readiness workshops
- Seek scholarship opportunities for students
- Oversee vocational education registration/student scheduling

# Financial & Trend Information

<b>Trend information</b>	<b>Actual 2013/2014 Amount</b>	<b>Actual 2014/2015 Amount</b>	<b>Actual 2015/2016 Amount</b>
Total Students	404	374	372
Out-of-district	191	164	154
In-district	213	210	218

# Financial & Trend Information

	Actual 2013/2014 Amount	Actual 2014/2015 Amount	Anticipated 2015/2016 Amount	Budget 2016/2017 Amount
Total Program Costs	3,627,263	3,332,691	3,405,990	3,592,732
Total Revenue	2,612,253	2,284,193	2,208,876	2,368,000
Net Program Cost	1,015,010	1,048,498	1,197,114	1,224,732

Please note that 2013/2014 and 2014/2015 were adjusted to include 50% of Principal's/Director's salary

# GC Tech Program

## Historical Perspective

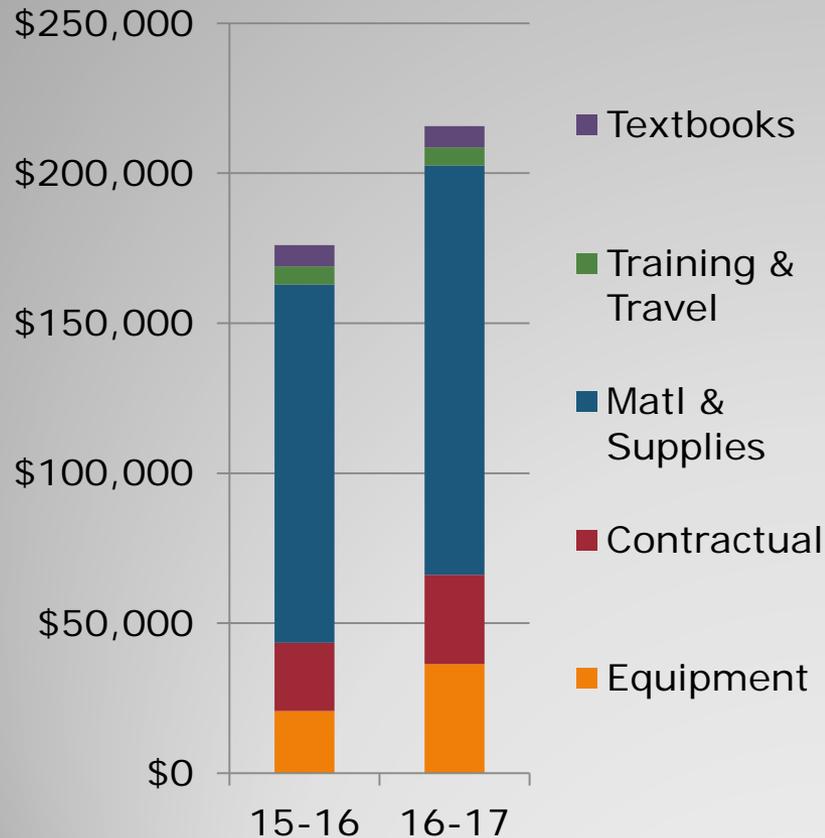
- 2015 - 2016: \$176,024
- 2016 - 2017: \$215,680

Year-to-Year Change: \$39,656 or 22.53%

# GC Tech budget By Object Code

ACCOUNT	DESCRIPTION	2015-16	2016-17		2016-17
		BUDGET	DRAFT BUDGET	\$ Change	% Change
A 2280.2000	OCCUPATED EQUIP	\$20,679	\$36,335	\$15,656	75.71%
A 2280.4000	OCCUPATED CONTRACTUAL EXP	\$22,750	\$29,750	\$7,000	30.77%
A 2280.4500	OCCUPATED MAT & SUPP	\$119,500	\$136,500	\$17,000	14.23%
A 2280.4750	OCCUPATED TRAINING/TRAVEL	\$5,995	\$5,995	\$0	0.00%
A 2280.4800	OCCUPATED TEXTBOOKS	\$7,100	\$7,100	\$0	0.00%
<b>2280....OCCUPATIONAL EDUCATION</b>		<b>\$176,024</b>	<b>\$215,680</b>	<b>\$39,656</b>	<b>22.53%</b>

# Two Year Comparison



## Highlights

- Revenue to the program offsets some of the cost
- Students are eligible for the 4+1 multiple pathways diploma
- Increase due to new courses



Questions?