

# Annual Report

2020-2021

*Preparing Tomorrow's Workforce Today*

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**Impact, Influence, Inspire**

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## Overview

### Strategic Highlights



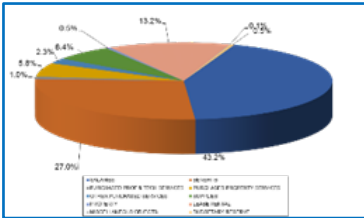
The 2020-2021 school year was unprecedented! We were called upon to pivot at a moment's notice to teach virtually, hybrid, or in-person, all while positively impacting our students. It was a challenge to try to reach students without adequate access to technology or reliable internet, dealing with family issues at home, or simply not able to engage in the same way virtually as they do in the classroom, BUT we did it! With 100% of our staff working in-person this school year, we were able to offer work-based education opportunities to students, scored 85% proficient or advanced on the NOCTI exam and collectively earned 1,676 industry recognized certifications.

### Financial Highlights

The Middle Bucks Institute of Technology's Annual Operating Budget for 2020-2021 was \$12,034,926.

Li'l Bucks Childcare Center posted a profit of \$31,572.77 this school year; partially due to grant funds received to offset COVID-19 mitigation costs.

The Adult Education Program posted a loss of \$3,474.15 in the 2020-2021 school year due to low enrollment and limited course offerings as a result of the COVID-19 pandemic.



### Operating Highlights

Middle Bucks staff reopened for in-person instruction in the 2020-2021 school year during the COVID-19 Pandemic. As per the MBIT Health & Safety Plan, approved by the Executive Council in August 2020, partitions were installed, lobby furniture placed in storage, classrooms and labs rearranged to accommodate 6' social distancing requirements, an isolation room established, and a Check In Station was created for our Li'l Bucks families.

### Looking Ahead

Middle Bucks Institute of Technology is beginning to implement a 5-year Capital Improvement Plan. The projects to be completed include replacing the roof, installing new HVAC units, and replacing exterior concrete and asphalt. The renovation of the Welding lab is also included in the plan.



## Goals and Objectives

MIDDLE BUCKS  
2020-2021  
EXECUTIVE  
COUNCIL MEMBERS

CENTRAL BUCKS  
SCHOOL DISTRICT

JOHN H. GAMBLE  
(Chairperson)

DANA HUNTER

KAREN SMITH

CENTENNIAL SCHOOL  
DISTRICT

FLEMMING GODIKSEN

MARK B. MILLER

JON PANOFSKY

COUNCIL ROCK  
SCHOOL DISTRICT

KRISTIN MARCELL

MARIANN MCKEE  
(Secretary)

NEW HOPE SOLEBURY  
SCHOOL DISTRICT

MONTU PATEL  
(Vice-Chairperson)

### Enhance Student Achievement

- Create the 2021 – 2024 PDE Comprehensive Plan.
- Participate in PDE Technical Assistance Program (TAP).
- Implement NOCTI pre-testing for Level 200 students to determine a baseline for determining skill level as the result of the pandemic.

### Foster Enhanced Professional Development

- Implement 2020 - 2021 Professional Development Plan.
- Provide support and mentoring to the new Teachers and School Counselor.
- Provide teachers with direct hands-on support with utilizing a virtual learning platform.
- Provide teachers with the technology and tools to teach virtually.

### Enhance School Security in accordance with PDE Safe Schools' Guidelines

- Create & implement the MBIT Health & Safety Plan.
- Create a Threat Assessment Team
- Apply for PCCD and PDE Grants for funds to off-set COVID-19 related costs.

### Successful Student Recruitment

- Plan and implement a virtual MBIT Open House event to promote career & technical programs.
- Conduct virtual shadowing experiences for prospective students.
- Conduct virtual Career Exploration tour with Central Bucks 6th graders.



### **Foster Positive Communications that Promote Student Successes**

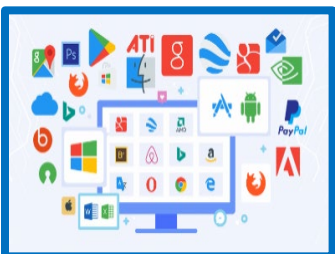
- Provide communication to all stakeholders through School Alert notification, MBIT website, social media and a digital newsletter to keep everyone informed about the MBIT Health & Safety Plan.
- Educate families on how to access the Program of Study, grades, and task lists.
- Promote social media links to families through School Alert notification system.

### **Develop a Plan to Improve School Operations**

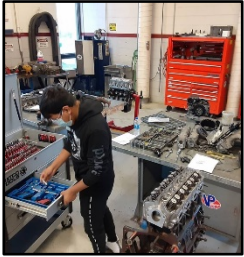
- Secure funding source for facility renovations.
- Complete identified building renovations:
  - Create an Isolation Room
  - Modify all lab areas to support social distancing guidelines
  - Install glass partition in Main Office
  - Install water bottle filling stations
  - Install health & safety signage throughout the school
  - Place directional signs to reduce hallway traffic
  - Modify Li'l Bucks Childcare Center to align with CDC and DOH guidelines to reopen safely

### **Explore, identify and select the infrastructure and software to implement and support facilities and school initiatives**

- Implement a process for lending technology and computers to students to use at home to assure everyone has access to the software and curriculum related to their technical program.
- Add a Technology Intern Co-op position to provide additional end user support.



The Pennsylvania 2021 SkillsUSA State Competitions were held virtually in April. MBIT had 18 competitors participating who earned a total of 16 medals: 12 gold, 1 silver and 3 bronze medal winners. The gold medal winners advanced to the National SkillsUSA Leadership and Skills Conference in June 2021. This year we had the most MBIT competitors ever going to nationals!



- **Automotive Technology** students, Ryan Pressman and Logan Kirby, won First Place in the Philadelphia Top Tech Challenge Competition, which was held virtually. The students each received more than \$100,000 in scholarships and tools for their 1st place win.



- **Multimedia Technology** students were recognized for their imaginative talents at the 20th annual Bucks Fever FilmFest held virtually on October. There were four productions submitted that resulted in three category winners and finalists. The productions submitted included: "Slip Up", "Upside Down", "Signal", and "Static"
- **Multimedia students** Billy Kubacki and Luke Whitney received the Best Director award for their film "Earl" in the 2021 Greensfield Youth Film Festival!



- **Sports Therapy & Exercise Management** students are now studying anatomy using an Anatomage Table that was purchased through the PDE Competitive Equipment Grant. It is a 3D advanced anatomy visualization system that provides an anatomy and physiology learning platform where students can interact and study all 11 human body systems and understand their function.

- **Residential Construction Carpentry** students along with their teacher, Mr. Wicen, were featured in a news story on CBS3 News in January to promote the completion of the student built house. The 2,800 square foot house, built by students in the Construction, Electrical, Plumbing and HVAC programs, was sold in April to a community member for \$140,000.



- The Middle Bucks Chapter of the **National Technical Honor Society (NTHS)** inducted thirty-two new student members in April. The mission of the NTHS is to honor student achievement and leadership in career and technical education, promote educational excellence, award scholarships, and enhance career opportunities for the NTHS membership.
- The MBIT **Philanthropy Today Club** awarded a total of \$20,000 to non-profits this past year. The students and their advisor, Mrs. Pamela Swoyer, met with Big Brother Big Sister of Bucks County, YMCA of Bucks County, NAMI, and 4theminds. The students interviewed each organization as part of their selection process. The MBIT Philanthropy Today Club's mission is focused on improving the mental health of community members and supporting organizations that positively influence at risk youth within Bucks County.



- MBIT hosted a **Summer Career Exploration Program** for students entering 7th, 8th, 9th, or 10th grade during the week of July 12th. Students were invited to register for eight courses offered during the week-long program.
- MBIT offered current Level 100 and 200 students the opportunity to attend a **Skill Building program** during the summer to practice their hands-on technical skills. The program was funded through the GEERS I grant and provided students with the opportunity to close the skill gap created by the pandemic.

## Work-Based Education Report



### Work-Based Educational Experiences

Middle Bucks works in cooperation with local business and industry to provide employment opportunities including apprenticeships, internships, clinical experiences, and job shadowing.

- 37 students held cooperative education jobs
- 9 students participated in non-paid internships or clinical
- 53 employers sponsored students through various work-based experiences
- 64 students were hired to fill jobs in our community



### Post-Secondary Plans

Middle Bucks surveyed 226 seniors about their experience at MBIT and their post-secondary plans.

- 85% plan to continue in their related program of study
- 58% plan to continue on to college
  - 39% Bucks County Community College
  - 7% Penn College of Technology
  - 4% Pennsylvania State University
  - 4% Bloomsburg University
- 37% plan to enter the workforce
- 5% plan to join the military



### Industry Certifications Earned

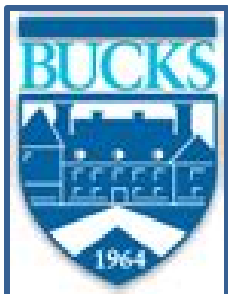
Middle Bucks provides students the opportunity to complete nationally recognized industry credentials or certifications.

- 1,676 Industry certifications earned by students

### Bucks County Community College

Bucks County Community College (BCCC) offers juniors and seniors the opportunity to earn college credit while still in high school through two 15-week courses offered from 2:15PM – 3:30PM on Tuesdays and Thursdays at Middle Bucks Institute of Technology.

- MKTG 220 – Digital Marketing (3 credits)
- MGMT 155 – Introduction to Entrepreneurship (3 credits)
- 14 students enrolled in the class
- BCCC paid 50% of the tuition; MBIT 25% and the student paid 25%





## Secondary Data



### Enrollment Trends

- 854 students
- 2.8% increase in enrollment over previous school year

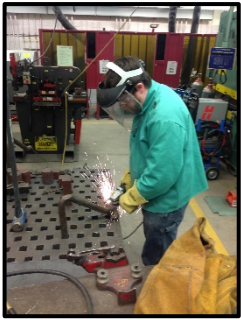


### Enrollment by District

- 237 Centennial SD
- 454 Central Bucks SD
- 135 Council Rock SD
- 21 New Hope Solebury SD

### Attendance Rates by District

- 88.40% Centennial SD
- 88.81% Central Bucks SD
- 86.08% Council Rock SD
- 86.94% New Hope Solebury SD



### District Draw – Percentage of 10<sup>th</sup> through 12<sup>th</sup> population

- 17.3% Centennial SD
- 9.6% Central Bucks SD
- 5.0% Council Rock SD
- 5.5% New Hope Solebury SD

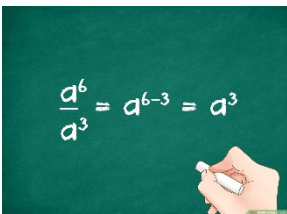


### Special Education - by District

- 41.4% Centennial SD
- 41.2% Central Bucks SD
- 51.1% Council Rock SD
- 28.6% New Hope Solebury SD



## Secondary Perkins V Indicators



### Graduation Cohort

- 94.67% State
- 93.03% MBIT

### Extended Graduation Cohort

- 96.84% State
- 97.21% MBIT

### Keystone Literature

- 54.94% State
- 55.15% MBIT

### Keystone Algebra

- 46.93% State
- 52.49% MBIT

### Technical Skill Attainment (Industry Certifications)

- 85.72% State
- 87.85% MBIT

### Recognized Credential (NOCTI)

- 69.09% State
- 94.71% MBIT

### Non-Traditional Concentrator

- 16.35% State
- 7.45% MBIT

## Adult Education

Middle Bucks has been providing technical education to meet the needs of adults for over 40 years through:

- Adult Evening Classes
- Adult Day Programs
- Online Courses
- Customized Industry Training for Employers



### Adult Evening Classes

- 70 adults enrolled in the Fall 2020 semester
- 69 adults enrolled in the Spring 2021 semester
- 139 total enrollment
- 37 adult students had their tuition paid by their employer
- 6 employers paid the tuition for their employee(s)

### Adult Day Program

- 4 adults attended classes with our high school students during the day



### Online Courses

- 31 students enrolled in online courses

### Customized Industry Training

- There were no Customized Industry Training programs this school year



### Veterans Program

- There were no Veteran inquiries this school year

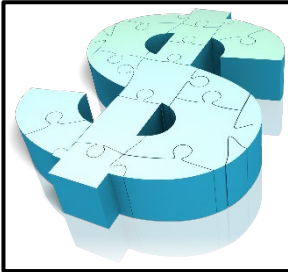
### Adult Education Evening Courses

- Cooking classes
- Computer classes
- HVAC- Intro to Heat Systems- Oil, Gas & Heat Pumps
- Plumbing
- Welding
- Small Engine Repair
- Residential Carpentry
- Auto Body Repair & Paint Technology
- Residential Electricity
- PennDOT Emissions & PA Safety Inspection
- ServSafe Testing
- NATE Testing



## Finance

An important part of the operations of Middle Bucks Institute of Technology is the development of the annual General Fund Budget. The Middle Bucks General Fund Budget is designed to reflect the Executive Council's objectives for the education of the students of our school. It is organized and planned to ensure adequate understanding of the financial needs associated with program support and development. The 2020-2021 GF budget of **\$12,034,926** provides funding to support all school operations, including ongoing studies of the educational program, estimated annual cost of implementing said program, long range planning for the annual maintenance and replacement of facilities and equipment, salaries, retirement, health insurance, contractual and other statutory benefits, professional and property services, supplies and lease rental.



### Grants

**Bucks County Cares Act Grant** in the amount of **\$44,336** was used to modify existing areas to align with social distancing guidelines, PPE equipment, and cleaning and sanitizing supplies.

**GEER I Grant** in the amount of **\$94,702** was used to assure equitable access to distance learning through the purchase of additional laptops, software and professional development.

**PCCD Safe School Grant** in the amount of **\$90,000** supported costs incurred as a result of the COVID-19 Pandemic including purchasing of cleaning and sanitizing products, training and professional development of staff, PPE, and modification of existing areas to effectuate appropriate social distancing to ensure the health and safety of students and staff.

**PDE Competitive Equipment Grant** in the amount of **\$34,902** was used to purchase a SeeSnake video inspection camera system for Plumbing, SCBA air tanks and a walk-through metal detector for Public Safety and MIG/TIG welders for the Welding program.

**PDE Supplemental Equipment Grant** in the amount of **\$68,490** was used to purchase a 2-post rotary vehicle lift for Collision Repair, a 3D printer for Computerized Drafting, a CNC router for Engineering, a Wireless Director's Monitor, a 360-Degree Camera, SuperBright LED Projector, a Canon EOS C70 Camera - RF Lens Mount, and a Cinematic lens - Canon CN-E 35mm T1.5 for Multimedia.

