



**MBIT SUMMER CAREER  
EXPLORATION COURSES**  
*FOR STUDENTS ENTERING  
8TH, 9TH, OR 10TH GRADE*  
*JULY 11-15, 2016*  
*JULY 18-22, 2016*

DISCOVER A WORLD OF



OPPORTUNITY

[www.mbit.org](http://www.mbit.org)



The Summer Career Exploration Program provides week-long career enrichment opportunities for students who have completed 7th, 8th, or 9th grade so they can begin to focus on career pathways. The program is designed to provide integrated hands-on learning activities in a variety of career settings.

|  |                                       |                      |                       |
|--|---------------------------------------|----------------------|-----------------------|
| Automotive<br>Body &<br>Mechanics      | Basic Auto<br>Repair &<br>Maintenance | Building<br>Trades   | Cosmetology           |
| Crime &<br>Accident<br>Investigation   | Culinary Arts                         | Drafting &<br>Design | Drone<br>Discovery    |
| Engineering<br>Exploration &<br>Design | Sports Science<br>& Conditioning      | Web Design           | Welding<br>Technology |

### 001 Automotive Body & Mechanics

Gain the knowledge you will need to be a future driver and car owner. Learn about how cars are restored after an accident as well as how to diagnose problems with how your car operates.

### 002 Basic Auto Repair & Maintenance

Gain the knowledge you will need to be a future driver and car owner. Learn how to properly maintain a vehicle to insure longevity of your car. Discover the basics on tire care and prevention, changing automotive fluids to keep your car running smoothly, and automotive safety.

### 003 Building Trades (Week 1 Only)

Develop a basic understanding of diverse trades relevant to contracting, including basic electrical circuits, carpentry, and plumbing. Students will have the opportunity to use power tools to complete projects. Prerequisite: Students must be at least 14 years old.

### 004 Cosmetology

Expand your knowledge of hair, skin, and nails through the use of hairstyling techniques, facials, makeup applications, and manicures.

### 005 Crime & Accident Investigation

Understand basic techniques Law Enforcement officers use to investigate crimes and apprehend suspects. Learn to take fingerprints, read a compass, photograph a simulated crime scene, solve the crime, and make an arrest. Discover how these skills are also utilized in accident reconstruction.

### 006 Culinary Arts (Week 1 Only)

Explore the field of Culinary Arts while learning how to read a recipe, use culinary equipment, prepare simple menus, and develop your own recipe books. In addition, students will discover the techniques used in cake decorating by designing, baking, and decorating cakes of your own.

### 007 Drafting & Design

Develop basic drafting and design skills using AutoCAD and Google Sketch Up software. You will be designing your own house and a 3D model of the house.

### 008 Drone Discovery

Discover the exciting world of drone technology. Students will learn and explore the design, operation, and control of Quad Copter Drones. Learn how to setup, adjust, and fly your very own Quad Copter Drone. Participate in an obstacle course competition exploring your newfound skills.

### 009 Engineering Exploration & Design

Use your problem solving skills and examine fundamental engineering principles related to simple machines. Students will experience these principals in action through hands-on learning activities utilizing the K'NEX Education Intro to Simple Machines kit.

### 010 Sports Science & Conditioning

Explore the world of sports medicine and learn about the basic components of health, strength training, and nutrition. These life changing strategies could be the keys to athletic success and living strong.

### 011 Web Design (Week 1 Only)

Learn the current technology use in web applications. Develop basic web design skills to create dynamic websites.

### 012 Welding Technology

Discover basic welding techniques including MIG welding, brazing processes and oxyacetylene that can be used to design and create a unique paperweight. Prerequisite: Students must be at least 14 years old.



## MBIT SUMMER CAREER EXPLORATION COURSES

**FOR STUDENTS ENTERING 8TH, 9TH, OR 10TH GRADE**

**Week One: July 11-15**

**Week Two: July 18-22**

**Tuition: \$150.00 per course**

**Time: 9:00 AM - 12:00 PM**

*To register for a course, complete the form below and enclose your check made payable to **Middle Bucks Institute of Technology**. Mail to: 2740 Old York Road, Jamison, PA 18929.*

*All students will receive registration confirmation. Any questions, please contact our Summer Career Exploration Coordinator at 215-343-2480 or [erinker@mbit.org](mailto:erinker@mbit.org)*

**Student Name:**

**Entering Grade:** 8 9 10 *(Circle one)*

**Address:**

**Parent Name:**

**Phone Number:**

**E-mail address:**

**School attending in Fall 2016:**

**Course for Week One: July 11-15**

**Course for Week Two: July 18-22**



*You can learn more about MBIT by following us online.*



The Middle Bucks Institute of Technology does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. Inquiries may be directed to Middle Bucks Institute of Technology, Title IX Coordinator or Section 504 Coordinator at 2740 Old York Road, Jamison, PA 18929 or 215-343-2480.