



**SUMMER 2017**  
**PLTW Supplemental Teacher Training Options**  
**@ Auburn University**

**I. AUTODESK INVENTOR: BASICS AND INTERMEDIATE**

**Instructor:** Chris Bond, Hewitt Trussville High School, IED Master Teacher

**Dates:** June 19-21

**Location:** Auburn University

**STI-PD Credit Hours:** 18

**Tuition:** \$475 if registered on or before May 5; \$525 if registered after May 5

**Training Schedule and included meals (the meals listed below are included with tuition):**

Monday, June 19 – 1:00pm to 5:00pm (afternoon snack)

Tuesday, June 20 – 8:00am to 5:00pm (lunch, morning and afternoon snacks)

Wednesday, June 21 – 8:00am to 3:00pm (lunch, morning and afternoon snacks)

**Course Description:**

*The Autodesk Inventor Basics and Intermediate course is designed for the PLTW Engineering teacher who has a basic knowledge of this powerful software, but has a desire to hone in their skills and knowledge to become a better instructor. This class will reinforce your understanding on foundational concepts and teach you best practice techniques on modeling, assembly, drawings, and presentations. We will discuss how Inventor can be used as a tool in your PLTW Introduction to Engineering. This class can be modified to meet the specific needs of those attending.*

**Hotel Information:**

If overnight stay is needed, participants may book a room at the Clarion Inn & Suites University Center in Auburn by calling 334-821-7000 (1577 South College Street, Auburn, AL 36832). The special PLTW AutoDesk Workshop rate is \$65 per night plus tax. Other hotel options include Microtel Inn & Suites by Wyndam in Opelika by calling 334-745-0415 (1651 Parker Way, Opelika, AL 36801). The rate is \$99 per night plus tax.

**Registration Link:**

<https://goo.gl/forms/XdPKbVal4vjAmqJq2>

## II. AUTODESK INVENTOR: ADVANCED

**Instructor:** Chris Bond, Hewitt Trussville High School, IED Master Teacher

**Dates:** June 22-23

**Location:** Auburn University

**STI-PD Credit Hours:** 13

**Tuition:** \$375 if registered on or before May 5; \$425 if registered after May 5

**Training Schedule and included meals (the meals listed below are included with tuition):**

Thursday, June 22 – 9:00am to 5:00pm (lunch, morning and afternoon snacks)

Friday, June 23 – 8:00am to 3:00pm (lunch, morning and afternoon snacks)

### **Course Description:**

*The Autodesk Inventor Advanced course is designed for the PLTW Engineering teacher who is ready to learn new concepts that will provide you with a higher productivity through the use of some of Inventors more advanced features. This course is taught with the assumption that you are proficient in the basic concepts and that you are ready for the challenge of new techniques. We will dive into advanced part modeling, using assemblies to create parametric parts, drawings for manufacturing, and creating your personal Inventor video tutorials. This class can be modified to meet the specific needs of those attending.*

### **Hotel Information:**

If overnight stay is needed, participants may book a room at the Clarion Inn & Suites University Center in Auburn by calling 334-821-7000 (1577 South College Street, Auburn, AL 36832). The special PLTW AutoDesk Workshop rate is \$65 per night plus tax. Other hotel options include Microtel Inn & Suites by Wyndam in Opelika by calling 334-745-0415 (1651 Parker Way, Opelika, AL 36801). The rate is \$99 per night plus tax.

### **Registration Link:**

<https://goo.gl/forms/XdPKbVal4vjAmqJq2>

**DISCOUNT: Register for both Autodesk Inventor courses and receive an additional \$100 off tuition (\$50 per course)**

### III. DESIGN AND MODELING: RETOOLING FOR 2017-2018

**Instructor:** Matthew Michalke, Hewitt Trussville Middle School, DM Master Teacher

**Date:** June 10

**Location:** Auburn University

**STI-PD Credit Hours:** 7

**Tuition:** \$150 if registered on or before May 5; \$175 if registered after May 5

**Training Schedule and included meals (the meals listed below are included with tuition):**

Saturday, June 10 – 8:30am to 4:00pm (lunch, morning and afternoon snacks)

**Course Description:**

*This workshop will allow current DM teachers to gain hands-on experience and understanding of the updated DM curriculum. Teachers will develop an understanding of the new DM course structure and scaffold, explore the resources available in the new DM Ongoing Training course, and will prepare to effectively facilitate the new DM unit with their students.*

**Hotel Information:**

All participants are required to stay at the TownePlace Suites by Marriott in Auburn (1117 S College St, Auburn, AL 36832), and participants are responsible for booking their own reservations. Participants can expect a discounted rate of \$89/night plus tax if registering early. Participants must book their hotel 3 weeks in advance to ensure space is available.

For hotel reservations and more details, see this link: <http://bit.ly/2nU0Fo9>

**Registration Link:**

<https://goo.gl/forms/34SMq7xxIG6GJLB42>

### IV. RobotC for Gateway and Engineering Teachers

**Instructors:** Tj Nguyen and Frank Ware, Southeastern Center of Robotics Education (SCORE) at Auburn University

**Dates:** July 17-18

**Location:** Auburn University

**STI-PD Credit Hours:** 13

**Tuition:** \$275 if registered on or before May 5; \$325 if registered after May 5

**Training Schedule and included meals (the meals listed below are included with tuition):**

Monday, July 17 – 9:00am to 4:30pm (lunch, morning and afternoon snacks)

Tuesday, July 18 – 8:30am to 3:30pm (lunch, morning and afternoon snacks)

**Course Description:**

*Teachers will learn programming best practices and learn the most commonly used functions in programming through real-life examples. Topics covered will include variables, loops, conditional statements, sensor input/output, user-defined functions and more.*

**Hotel Information:**

All participants are required to stay at the TownePlace Suites by Marriott in Auburn (1117 S College St, Auburn, AL 36832), and participants are responsible for booking their own reservations. Participants can expect a discounted rate of \$89/night plus tax if registering early. Participants must book their hotel 3 weeks in advance to ensure space is available.

For hotel reservations and more details, see this link: <http://bit.ly/2mQ0jlg>

**Registration Link:**

<https://goo.gl/forms/g1XdtLZk8pTj1HQB3>

**V. Mastering Modkit Programing for VEX-IQ (Launch Teachers)**

**Instructors:** Tj Nguyen and Frank Ware, Southeastern Center of Robotics Education (SCORE) at Auburn University

**Dates:** July 19-20

**Location:** Auburn University

**STI-PD Credit Hours:** 13

**Tuition:** \$275 if registered on or before May 5; \$325 if registered after May 5

**Training Schedule and included meals (the meals listed below are included with tuition):**

Wednesday, July 19 – 9:00am to 4:30pm (lunch, morning and afternoon snacks)

Thursday, July 20 – 8:30am to 3:30pm (lunch, morning and afternoon snacks)

**Course Description:**

*Teachers will improve their programming skills in Modkit with VEX IQ robots through interactive programming challenges. Teachers will learn programming best practices, troubleshooting steps, and tools to extend and differentiate instruction. Teachers will practice using loops, programming different drive modes, and using sensors.*

**Hotel Information:**

All participants are required to stay at the TownePlace Suites by Marriott in Auburn (1117 S College St, Auburn, AL 36832), and participants are responsible for booking their own reservations. Participants can expect a discounted rate of \$89/night plus tax if registering early. Participants must book their hotel 3 weeks in advance to ensure space is available.

For hotel reservations and more details, see this link: <http://bit.ly/2mQ0jlg>

**Registration Link:**

<https://goo.gl/forms/g1XdtLZk8pTj1HQB3>

**In collaboration with:**

