

# Attention Incoming 9<sup>th</sup> Grade Students

## Get a head start on an excellent career at ACE!

### **9<sup>th</sup> Grade**

All 9<sup>th</sup> grade students at ACE will participate in our career and industry exploration class. The goal of this class is to learn shop and tool safety and to dabble in the career classes offered at ACE so you have all the facts you need to make a decision for 10<sup>th</sup> grade.

You will make several awesome projects while exploring the following areas: Measurement/Shop Safety, Woodworking, Sheet Metal Fabrication, Small Engines, Plumbing, Welding, and Teamwork.

### **10<sup>th</sup> Grade – PICK A CAREER MAJOR!!!**

The following are the career classes available to 10<sup>th</sup> grade students (students earn college credits through TMCC in these classes).

#### **Construction Technology – BUILD A HOUSE:**

This class takes place on an actual job site, and teaches students all aspects of residential construction; safety, estimation, plan reading, site work, plumbing, carpentry, electrical, and much, much more. Students get hands-on, real-world experiences as they work in teams to build a residence.

#### **Machining Technology – DESIGN AND MAKE HIGH PRECISION PARTS AND COOL OBJECTS:**

The machine tool technology student at TMCC's machine lab will learn to set up and operate various machining tools to fabricate precision parts for use in many industries. The student will learn blueprint reading, sketching, and identifying exploded view working drawings. Trainees will be instructed in the proper and safe use of highly technical power equipment, such as lathe; drill press; and grinders. Students will also learn to use precision measuring devices to specifications, and have the ability to select the appropriate material for fabrication.

#### **Diesel Equipment Technology – WORK IN A CERTIFIED SHOP ON ALL TYPES OF EQUIPMENT:**

Working in conjunction with TMCC, students learn to repair and maintain equipment in construction and transportation. This program also utilizes TMCC's state-of-the-art tools, equipment and facilities, including a variety of high-tech, computerized testing equipment that students use to pinpoint and analyze malfunctions in equipment.

#### **COMPUTER AIDED DRAFTING AND DESIGN – USE COMPUTERS TO DESIGN AWESOME THINGS:**

This program gives students the opportunity to learn computer aided drafting (AutoCAD) teaching them how to create blueprints and detailed drawings of ideas and concepts in 2-Dimensional and 3-Dimensional formats. These sketches are based on the complex calculations of engineers, land surveyors, architects and even scientists. Students receive training in residential drafting, mechanical drawing, light commercial drafting, structural and commercial detailing, and structural steel drawings.

**Spots are going fast, so turn the page to begin your future!!!**