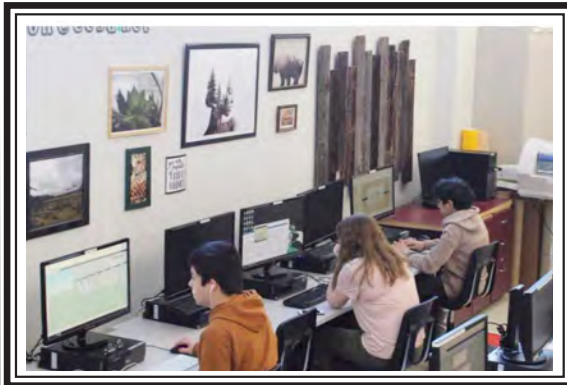


AUSTIN O'Brien Catholic High School



Career and Technology Studies Program



- Students work individually or in small groups to cover theory and complete hands on projects.
- Students work at their own pace
- CTS 10 is used as a basis for students to explore and develop interests and abilities
- CTS 20 and 30 directs emphasis to develop portfolios, skills and abilities towards specific career goals.
- Students explore their skill sets.

Highlights of the CTS Program

- Get a head start on a career
- Develop transferable skills
- Build a portfolio - Show the skills achieved
- Choose from over a 50+ different modules
- Work on real projects for the school or community
- Job Shadow/NAIT Buddy System
- Hands on skills to introduce to RAP Program and dual track at St. Joseph High School Skills Center

Digital Art Communications

Photography

- **Visual Communications**
 - Introduction to Elements and Principles of Design
- **Photography**
 - Introduction, Exposure, Composition, and Communication
 - Photo Lenses, Photo Lighting, Photojournalism
 - Photo Color Techniques, Black and White Digital Techniques, Portrait Lighting
- **Digital Photography**
 - Digital image, composition, manipulation and editing photos
- Portfolio Development



Multi Media Design

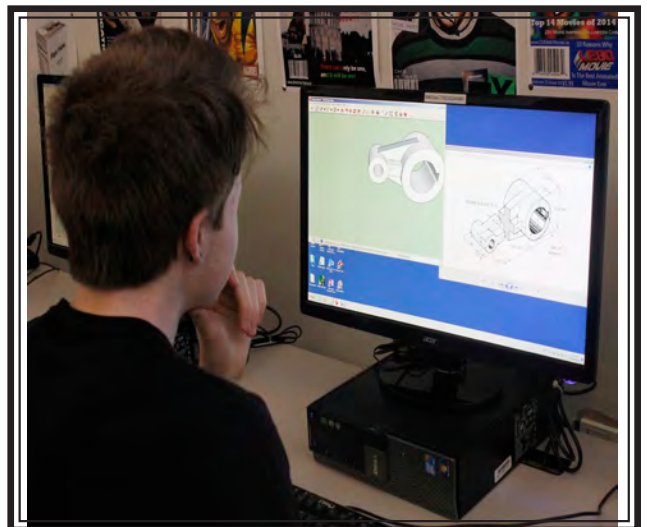
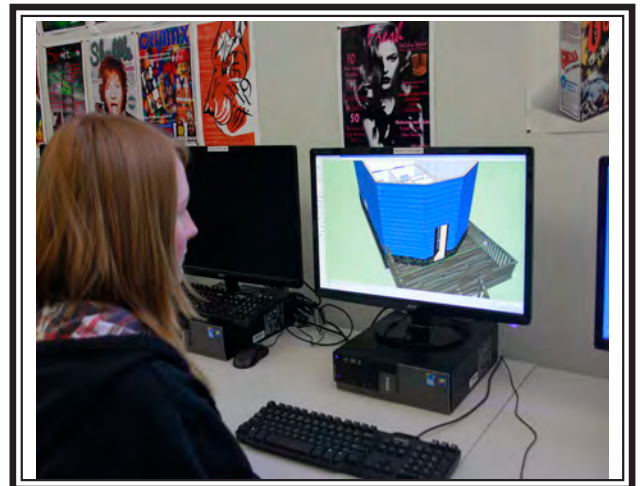
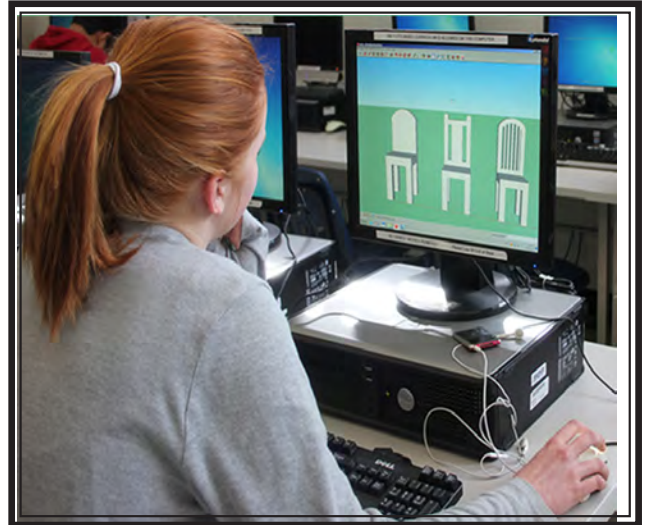
- **Audio - Sound Editing**
 - Basic Audio Arrangements, tracks timelines, etc. to creating and recording songs on band instruments
- **Audio/Video Production**
 - Videography basics & techniques to advanced
 - Short Film
- **Animation**
 - Cell to cell, computer generated basic and advanced
 - Digital character creation
- **Screen Printing T-Shirts**
 - One-color to multi-color printing
- **Designing a Podcast**
 - Portfolio development
 - Short film production
- **Web Development**
 - Create a relevant website
 - Create a digital portfolio



Design

Computer Assisted Drafting (CAD)

- **Fundamentals of CAD**
- **Developing Intermediate Levels**
 - 2D Drawings
 - 3D Drawings
- **Learning to Solve Design Problems using CAD**
- **Translate Architectural Design concepts into Graphic Images:**
 - Architectural
 - Interior
 - Landscape Designs
- **Design and Develop Interior Spaces**
Create Designs that are pleasing:
 - Ecological
 - Functional
 - Aesthetical
- **Environmental Design**
- **Evolution of Design**



Wood Construction

Woodworking/Carpentry & Turning

- **Basic Tools and Materials**
 - Using Safety Practices
 - Creating a simple project
- **Building - Special Project Management**
 - brainstorm, design & produce a project
- **Box Construction**
 - learning basics of simple box construction
- **Finishing & Refinishing projects**
- Cabinet Making i
 - including a door and drawer project
- **Solid Stock Construction**
- **Wood Turning Operations**
- **Wood Forming**



Metal Fabrication

Metal Working and Welding

- **Basic Tools and Materials**
 - Using Safety Practices and
 - Creating a simple projects
- **Basic Electric Welding**
- **Semi-Automated/Automated Welding**
 - Basic welds performed
- **Oxyacetylene Welding -**
 - Learn basic safety
 - Maintenance of clean and tidy workspace
- **Learning the Principles of Machining**
- **MIG Welding - Gas Metal Arc Welding**
 - Basic welds are learned
- **Developing and understanding of GMAW processes**
- **Gain experience using GMAW process by performing:**
 - flat
 - horizontal
 - vertical fillet welds
 - flat groove welds
- **Oxyfuel & Plasma Arc Cutting**
- **Pipe and Tubular Welding**
- **Special Metal Working & Welding Projects**



Safety Certification

- **HCS 3000 Workplace Safety System**
- **HCS 3010 Workplace Safety Practices**
- **AGR 3000 Agricultural Safety**
- **Job Safety Skills Society -Accredited Certification**

THE GEEKS



These are our AOB Students that want to be apart of the exciting technology crew that creates the sound, creates the lighting, the camera and video camera effects for our Austin O'Brien celebrations, open house, annual drama production, and many more situations.

Quote

“The options available in our Communication, Design, Construction and Fabrication labs allow our students the greatest real world examples of job scenarios and production requirements. The skills that the students learn in our labs are practical and transferable and as a result, engaging and meaningful!

We provide students with a chance to see what entrepreneurial activities look like as they explore their creative side and express their ideas and designs in print, wood, metal and through other media. Our Career and Technology Studies Program at AOB allows students to work in another facet of their education, alongside their academics, to enhance their learning experiences and live their education in this unique hands-on environment.

Teachers' Quote

“We are so very proud to be a part of a thriving CTS facility that offers over fifty group and individualized courses for students to choose from. Our CTS facility offers students many opportunities, skills and a gateway to career paths. Students learn theory and get first hand experiences to many occupational areas by developing basic skills that are required in industry.”

For Further Information

Contact:

Mr. Jonathan Sirman

Communication & Design

Jonathan.Sirman@ecsd.net

Mr. Mike Pundyk

Wood Construction & Metal Fabrication

Mike.Pundyk@ecsd.net

Austin O'Brien High School

6110-95 Avenue

Edmonton, Alberta

T6B 1A5

Phone: 780-466-3161

Fax: 780-466-6994