



# CLHS

**TECHNOLOGY EDUCATION**





# Exploring Engineering & Manufacturing

Grade 9-12 (No Pre-Requisite)

- ½ Year Intro Course
- Measurement
- Hand Tools
- Power Tools
- General Safety / Machine Safety
- Woodworking Project (Birdhouse)
- Engineering Project (APV)

- ½ Year Intro Course
- Digital Graphics
- Advertising
- Packaging Design
- Information / Print Media
- Interactive Media / Web Design
- Game Design / Animation
- Video Technologies



## Exploring Multimedia

Grade 9-12 (No Pre-Requisite)





# Digital Graphics

Grade 9-12 (No Pre-Requisite)

- Foundations of Design
- Digital Graphic Design
- Packaging Design
- Advertising Graphics
- Motion Graphics / Animation
- Information Design
- Interactive Media



- Foundations of Design
- Visual Communications
- Marketing / Advertising
- Brand Identity Design
- Promotional Print Media
- Promotional Digital Media



# Promotional Graphics

**Grade 10-12 (No Pre-Requisite)**



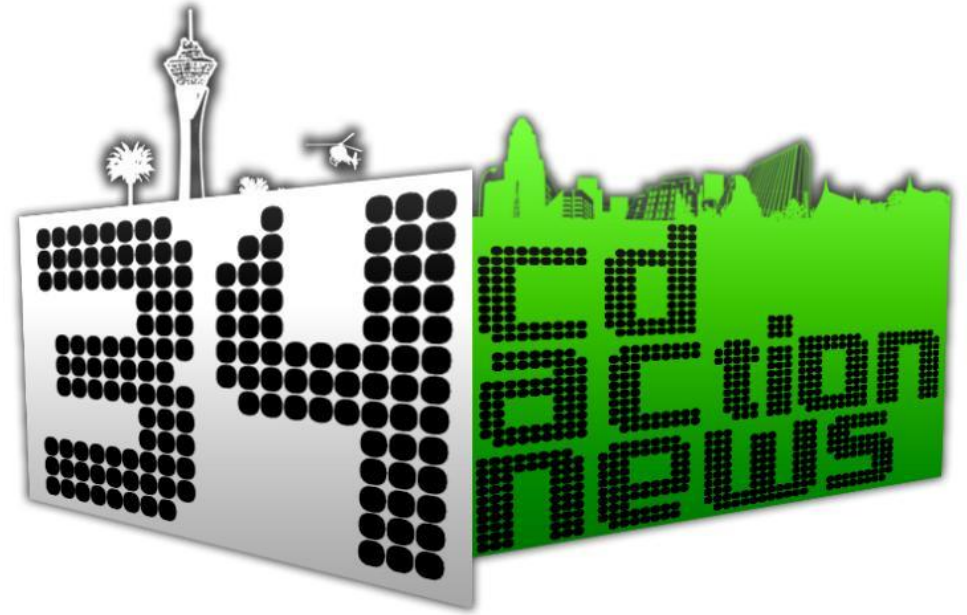
# Video Production I

Grade 11-12 (Exploring Multimedia, Digital Graphics, and / or Promotional Graphic Recommended)

- Audio and Video Production
- Promotional Multimedia
- Digital Multimedia/Animation
- Digital Storytelling
- Group Work Heavy



- Audio / Video Production
- TV Production
- Project/Deadline Management
- Problem Solving
- Communication/Teamwork Skills
- Morning News Production



## Video Production II

Grade 12 (Pre-Requisite: Video Production I)



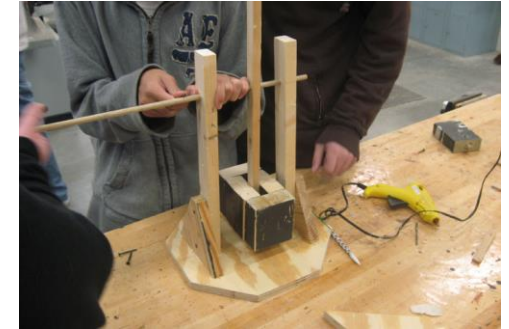
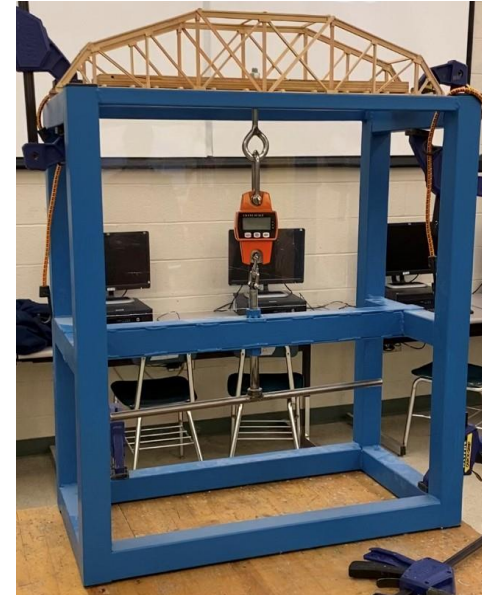
# Technical and Architectural Design

Grade 10-12 (No Pre-Requisite)

- House Styles
- Site Prep / Home Location
- Residential Floor Plan Design
- Working Drawings
- Interior and Exterior Planning
- Walls, Foundations, Stairs, & Roofs
- Windows and Doors
- Electrical and Plumbing
- House Modeling



- Design Process
- Measurement
- General / Machine Safety
- Sketchup
- Model Bridge Design
- Hydro Hoops Project
- Material Processing
- Model Rockets
- Independent Study



## Engineering & Design

Grade 10-12 (No Pre-Requisite)



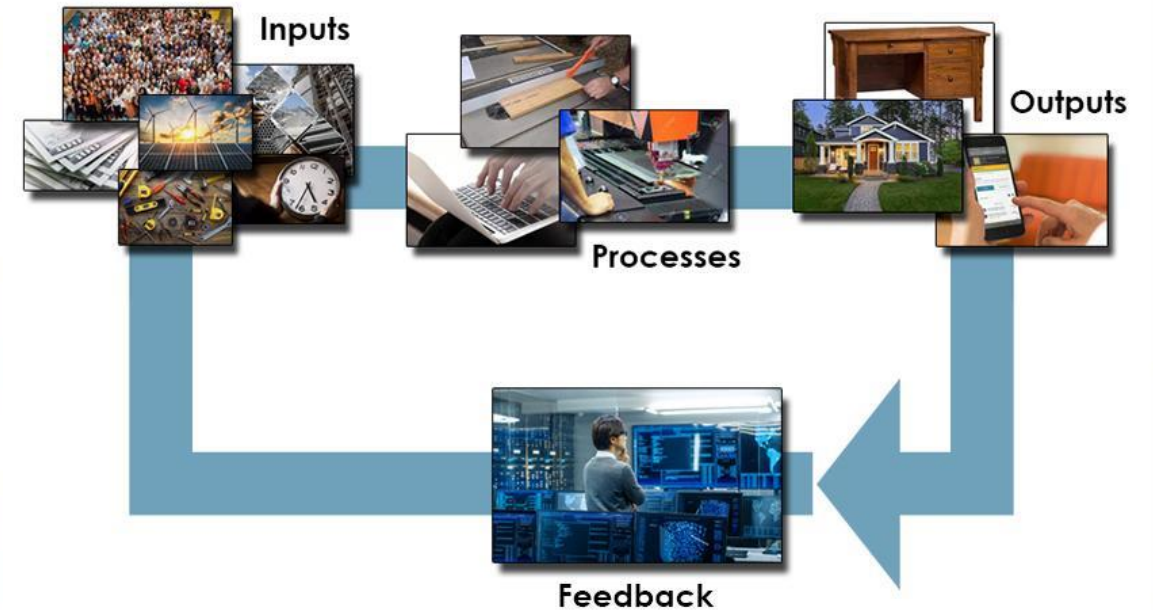
# Product Design & Manufacturing

Grade 10-12 (No Pre-Requisite)

- Orientation and Safety
- Continuous Manufacturing Systems
- Custom Manufacturing Systems
- Electricity and Electronics
- Application of STEM Principles to Engineering Machines
- Independent Application of Problem Solving & Product Design

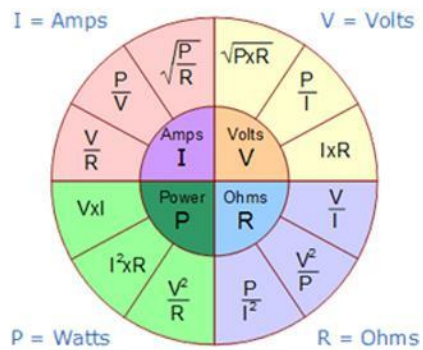


- Engineering Facility Safety
- Problem Solving
- Application of STEM Concepts
- Independent Study



## Advanced Materials & Design

Grade 11-12 (Engineering & Design  
or Product Design & Manufacturing )



# Robotics & Electronics

Grade 10-12 (No Pre-Requisite)

- Soldering
- Understanding Robotic Applications
- Lego Mindstorm
- 3D Printing
- Basic Circuitry
- Ohms Law
- OWI Robots
- Laser Engraving

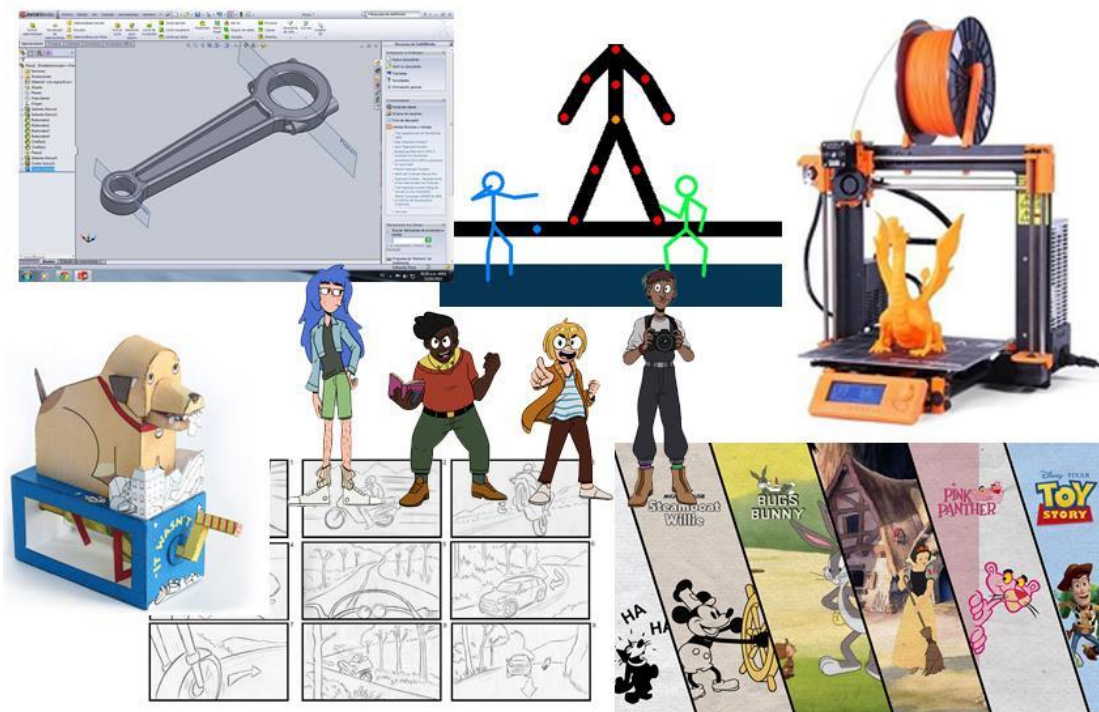


- Flying Drones
- Glider Construction
- Model Rockets
- CO2 Car Design
- Wright Brothers
- Forces of Flight
- Hot Air Balloons
- Flight Simulator Software



## Drones & Transportation

Grade 10-12 (No Pre-Requisite)



# 3D Modeling, Animation & Game Design

Grade 10-12 (No Pre-Requisite)

- Paper Automata
- 3D Modeling
- History of Animation
- 3D Printing
- Computer Animation
- Character Design
- Storyboarding





**CD Technology  
Engineering Club**

**(All Are Welcome)**

**Scan for Information  
& Meeting Dates**

