Course Title: Communications Systems / Video Production
Credit / Hours: Semester Course (.5 Credit)

Course Description:

This course provides students with the opportunities to explore basic systems of communications such as: radio, television, cellular communication, satellite communications, and video programs. The course is aligned to technology standards. Students work in small groups to write, produce, record, and edit video programs using computers and digital cameras. Video composition, production planning, camera operation and lighting will be emphasized through hands-on activities. Students will design web pages and explore new and emerging communications and satellite technologies.

Learning Activities / Modes of Assessment:

Create 3-D Engineering Drawings
Video Assignments
Satellite Communications
Webpage Design
Bar code Technology
Communications Systems Research
Project based assessment with rubrics

Instructional Resources:

Autodesk Design Academy Software
Appropriate Internet sites
Technology Education: Learning By Design. Pearson Education, 2004.
Video Communication and Production. Goodheart-Willcox Co. Inc., 2002.

Course Pacing Guide

Course: Communication Systems/Video Production	
Course Unit (Topic)	**Length of Instruction (Days/Periods)**
1 Information & Communications Technology	30 days
2. Energy and Power Technology	15 days