Video Production			**Grades 9-12**
Standards		**Benchmarks**	**Activities/Examples**
1. Students will develop an understanding of the characteristics and scope of technology.	K	The rate of technological development and diffusion is increasing rapidly.	Explain the meaning of Video communications with Intro to Video Lecture (Chapter 1 and 2).
2. Students will develop an understanding of the core concepts of technology.	W	Systems thinking applies logic and creativity with appropriate compromises in complex real-life problems.	Students create public service announcement and evaluation that follows, such as don't drink and drive.
3. Students will develop an understanding of the relationships among technologies and the connections between technology and other fields of study.	I	Technological ideas are sometimes protected through the process of patenting.	All student projects fall under the copyright laws.
	J	Technological progress promotes the advancement of science and mathematics.	Students use time code in their video editing to establish location of video clips in a timeline. Hours, Minutes, Seconds and Frames.
4. Students will develop an understanding of the cultural, social, economic, and political effects of technology.	H	Changes caused by the use of technology can range from gradual to rapid and from subtle to obvious.	The Rate of technology doubles exponentially. Our equipment is always changing and being upgraded to keep up with the changing technology.
	K	The transfer of a technology from one society to another can cause cultural, social, economic, and political changes affecting both societies to varying degrees.	Class discussions of how Sex, Drugs and Violence in media may change a cultural attitude.
5. Students will develop an understanding of the effects of technology on the environment.	G	Humans can devise technologies to conserve water, soil, and energy through such techniques as reusing, reducing, and recycling.	Students make commercials and Public Service Announcements project that promotes recycling and conserving.
6. Students will develop an understanding of the role of society in the development and use of technology.	J	A number of different factors, such as advertising, the strength of the economy, the goals of a company, and the latest fads contribute to shaping the design of and demand for various technologies.	Students create advertising with a commercial project.
7. Students will develop an understanding of the influence of technology on history.	G	Most technological development has been evolutionary, the result of a series of refinements to a basic invention.	History lesson on the changes in media formats.
	O	The Information Age places emphasis on the processing and exchange of information.	History lesson on the changes in media formats.
8. Students will develop an understanding of the attributes of design.	H	The design process includes defining a problem, brainstorming, researching and generating ideas, identifying criteria and specifying constraints, exploring possibilities, selecting an approach, developing a design proposal, making a model or prototype, testing and evaluating the design using specifications,	Lecture and worksheets with evaluation on converting a 5 paragraph essay style of writing to the overall planning concepts of a video storyline.

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		refining the design, creating or making it, and communicating processes and results.	
10. Students will develop an understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving.	K	Not all problems are technological, and not every problem can be solved using technology.	Students work in groups to discuss and solve production problems.
11. Students will develop the abilities to apply the design process.	R	Evaluate final solutions and communicate observation, processes, and results of the entire design process, using verbal, graphic, quantitative, virtual, and written means, in addition to three-dimensional models.	Students use storyboards to design and refine their projects.
12. Students will develop the abilities to use and maintain technological products and systems.	N	Troubleshoot, analyze, and maintain systems to ensure safe and proper function and precision.	Adjust and improve actor's performances.
	P	Use computers and calculators to access, retrieve, organize, process, maintain, interpret, and evaluate data and information in order to communicate.	Video editing to produce Videos for publication.
17. Students will develop an understanding of and be able to select and use information and communication technologies.	M	Information and communication systems allow information to be transferred from human to human, human to machine, machine to human, and machine to machine.	The use of a computer server that students use to save projects and as a playback device for daily announcements.
	N	Information and communication systems can be used to inform, persuade, entertain, control, manage, and educate.	Students produce a daily show to inform other students of activities in our building.
	O	Communication systems are made up of source, encoder, transmitter, receiver, decoder, storage, retrieval, and destination.	Students produce a daily show to inform other students of activities in our building.
	P	There are many ways to communicate information, such as graphic and electronic means.	Students produce a daily show to inform other students of activities in our building.
	Q	Technological knowledge and processes are communicated using symbols, measurement, conventions, icons, graphic images, and languages that incorporate a variety of visual, auditory, and tactile stimuli.	Students produce a daily show to inform other students of activities in our building.