

Appendix
Summary of Unit Plans Including Video Production as an Instructional Strategy

Grade/ Subject	Content	Authentic Problem	Evaluation
K Science	weather, temperature, barometric pressure, winds - direction, speed, precipitation, storms, warnings and watches, Internet research	The school principal comes to class to request morning weather reports for broadcast on the school system. Will the Kindergarteners help next week?	rubric, teacher journal, student survey, samples of student work
1 st Science	states of matter, liquid, solid, gas, forces that change matter, examples of each kind of matter, characteristics of each kind of matter, Internet research	Create an episode of <i>Bill Nye the Science Guy</i> to teach other 1st graders about matter.	pre-post test, teacher journal, samples of student work
3 rd Social Studies	US geography - states, role of history in each state, Internet research, media literacy, teach other teachers about using video in classroom	Request from National Commission of Tourism—need short segment on each state with interesting history fact— <i>The Virginia Minute</i> .	Rubric to assess teamwork, sequence, design, sound, production techniques, samples of student work
3 rd /5 th Special Project	integrate and draw on student knowledge of math, multi-cultural awareness, writing, oral communication, presentation skills, geography	School principal is looking for some cooking segments representing the cultures of students in the school to be shown on the school's morning TV message. Will students interview parents for favorite family recipes around the world and create a video showing how to make the recipe?	student survey, rubric, samples of student work, teacher journal
4 th Social Studies	important historical events in Virginia history, review topics selected from SOLs, organizing information, Internet research	Virginia Historical Society seeks 60-second infomercials that accurately and creatively teach important aspects of Virginia history for their new series, <i>The Virginia Minute</i> .	student survey, rubric for video for main concepts, teacher journal, samples of student work
4 th	motion - force, speed, work, inertia,	Discovery Channel for Kids is seeking to	content test, rubric to assess

Science	friction, kinetic energy, potential energy, Internet research	expand its video collection about science concepts. Will you produce a video on motion for them?	video (did it demonstrate concepts learned), teacher journal, samples of student work
4 th Science	animal adaptations, types of adaptation, role of adaptations in helping survival, food chains and webs, human adaptations, how humans impact animal environments, Internet research	Will the class create an episode of Animal Planet's Most Extreme on adaptations with small groups choosing an animal and doing one segment?	rubric for treatment, rubric for storyboard, rubric for video, end of unit test, teacher journal, samples of student work
4 th Science	the ocean: depth, currents, salinity, continental shelf, trenches, plateaus, ecosystems, pollution/conservation, ocean resources (food, energy), role in water cycle, Internet research	Local television channel is looking for information videos to show free of charge on Sunday mornings. Would the children make videos on the ocean's living life forms?	test from textbook teacher manual, rubric for videos, teacher journal, samples of student work
5 th Science	light - color, heat, refraction, reflection, convex, concave, transparent, opaque, scientific process - questioning, predicting, note taking, collaborating, Internet research	Smithsonian Museum is considering putting together a traveling exhibit. They want to include a number of topics including light. Each exhibit will have a brochure and a short video. Would students help by creating the light exhibits?	teacher journal, content test, rubric for video, rubric for brochure, samples of student work
6 th Science	the role and work of a meteorologist, water, wind, air pressure, and temperature, reading a weather map, identifying weather instruments, learning how to read weather instruments, and forecasting the weather, Internet research	The local weather station wants to change the way their station is forecasting the weather. They want to target a younger audience. They have asked our class to make sample videos of students forecasting the weather.	content test, student science journals, teacher journal, rubric for video, samples of student work

6 th Physical Education	basic tumbling skills, identify and perform the basic movements and positions to for each tumbling skill - log roll, egg roll, forward roll, backward roll, tip up, tri pod, head stand, hand stand, cartwheel, and round off, understand and observe proper safety techniques	The authentic problem is to become performer and a creator of a video that will be used to help a up and coming tumbling instructor with his new tumbling facility. The video will be used by the instructor to help his new members.	rubric to assess video, teacher journal, student journal entries in physical education portfolio, samples of student work
6 th Physical Education	bowling: role of an event coordinator, advertising strategies, logos, slogans, organizing events, rules for bowling, scoring	Will students become event coordinators and plan and put on the bowling tournament for 2 nd graders, creating advertisements, signs, a logo, a slogan, layout for the gym, and "How to Bowl" videos to teach 2nd graders about bowling rules and scoring?	rubric - each product including video, student survey, teacher journal, content test, samples of student work
6 th Language Arts	comprehension of a variety of fiction - the mystery genre, writing for promotional purposes, writing for clarity, write for specific audiences, learn about the publishing and book promotion	Students are invited by Puffin Publishing to create a promotional plan for the re-launch of The Westing Game in celebration of the book's 30th anniversary. The plan should include an invitation to the release party, a new book cover, a press release, and a video interview with the author or a commercial.	content test, multiple rubrics including a rubric for their video project, teacher journal, samples of student work,
7 th Language Arts	explore primary means of communication, examine verbal and nonverbal messages and use both appropriately, explore their roles as information gatekeepers and the responsibility to inform the public of issues, to work cooperatively as a group, to report the facts of the issue without bias, Internet research	The principal is an aficionado of television documentaries. He has asked us to prepare short videos on historical subjects to run over the closed circuit television system in our school. He is proposing a series called The Progressive News –a series of news segments that report news events from the progressive era in U. S. History	rubric for video, student survey, teacher journal, samples of student work, students' reflective paragraphs

10/11 Spanish	Spanish cuisine, the varied kinds of food and its connection to regions, understand and be able to give positive and negative informal commands, using the passive voice, fluently communicate a recipe and directions in the kitchen for cooking the foods, Internet research	The tourism board of Leesburg is asking members of the community to propose a Spanish restaurant—one that serves authentic Spanish food not Mexican. They seek proposals includes a recommended menu and meals from appetizers to desserts, example advertisements, a name of the restaurant, a proposed decor, and videos demonstrating the preparation of selected recipes.	content quizzes, student survey, teacher journal, samples of student work
HS Sign Language	learn to sign work-related vocabulary, discuss the Americans with Disabilities Act in relation to the workplace, present descriptions of the four titles related to the Americans with Disabilities Act, discuss challenges in the workplace for Deaf and Hard of Hearing individuals, Internet research	Pulley Career Center works with special needs students providing them career and independent life skills. As part of their training program, they would like to educate their staff more about the Americans with Disability Act. Instead of handing out printed materials, administration is looking for public service announcements and training videos.	content quizzes and tests, teacher journal, rubric for video, samples of student work
HS Marketing	prepare marketing materials by preparing a variety of promotional media for presentation, learn to prepare promotional print advertisements, radio commercial copy, and broadcast commercials, compare and contrast the benefits of various types of promotional media, Internet research	A convention center is opening. The first event will be a trade show presenting potential business opportunities to local entrepreneurs. The Center has asked the marketing class to prepare newspaper advertisements, develop radio announcements, and create a television commercial all promoting the trade show.	content test, series of rubrics for promotional materials in various media formats, student journal entries, samples of student work, teacher journal