Topic: STEAM: Creating an Informational Video

Descriptor: Teams of students created Bill Nye type informational videos for the grade 2’s.

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School: James Kennedy elementary

Grade: 6

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How will you work on building Collaborative Teams?

* Media Arts 6-9 webpage:
	+ Media Arts Team Roles (all team members will be involved with the storyline, script, storyboard, filming & editing). View the for possible team roles, based on a team of 3. File:
	+ Team Contracts and Project Management Logs

**ADST Curricular Competencies interwoven throughout:**

 **Applied Skills**

* Demonstrate an awareness of precautionary and emergency safety procedures in both physical and digital environments
* Identify and evaluate the skills and skill levels needed, individually
or as a group, in relation to a specific task, and develop them as needed

Applied Technologies

* Select, and as needed learn about, appropriate tools and technologies to extend their capability to complete a task
* Identify the personal, social, and environmental impacts, including unintended negative consequences, of the choices they make about technology use
* Identify how the land, natural resources, and culture influence the development and use of tools and technologies

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|  | EMPATHY: Understanding Context. Deciding who to interview depends on the intent of the video. Is the video created ABOUT a person or group? (they are the content) or FOR a person or group? (they are the audience) |
| **ADST** Curricular Competencies | * Empathize with potential users to find issues and uncover needs and potential design opportunities
* **Elaborations:**  share the feelings and understand the needs of others to inform design
 |
| Additional Curriculum:**ENGLISH LANGUAGE ARTS** | COMPETENCIES: COMPREHEND AND CONNECT* Access information and ideas for diverse purposes and from a variety of sources and evaluate their relevance, accuracy, and reliability

COMPETENCIES: CREATE AND COMMUNICATE * Use writing and design processes to plan, develop, and create engaging and meaningful literary and informational texts for a variety of purposes and audiences
 |
| Additional Curriculum:**SCIENCE** | * Demonstrate a sustained curiosity about a scientific topic or problem of personal interest
* Make observations in familiar or unfamiliar contexts
* Identify questions to answer or problems to solve through scientific inquiry
* Make predictions about the findings of their inquiry
 |
| Instruction/ Just in time learning | * Developing interview questions
 |
| Formative Assessment | * Teacher observations of progress
* Students shared with the larger group the results of their interviews/presentations
 |
| Materials Needed | Following handout: STEAM: Creating Informational Video outline for students• Reflection: Human Centred Design Thinking Process (give the final assessment. Review the definitions for clarity!Media Arts 6-9 Website: Questioning/Interviewing  |
| Teacher Reflection | * It was very informative and helpful to the students to have gone to their respective grade 2 classes. After having pitched their ideas, they asked what the students were most interested in and this feedback guided their final choice. Interaction with the younger students also allowed the Gr. 5s to better understand at what level the language and content should be to be comprehensible and educational for their target audience.
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|  | DEFINE: Teams will review interview answers/footage and brainstorm/determine ideas regarding film genre and story. |
| **ADST** Curricular Competencies | * Choose a design opportunity
* Identify key features or potential users and their requirements
* Identify criteria for success and any constraints
 |
| **ADST** Content | MEDIA ARTS * influences of digital media for the purpose of communication and self-expression
 |
| Additional Curriculum:**ENGLISH LANGUAGE ARTS** | COMPETENCIES: COMPREHEND AND CONNECT* Understand how literary elements, techniques, and devices enhance and shape meaning

COMPETENCIES: CREATE AND COMMUNICATE * Use writing and *design processes* to plan, develop, and create engaging and meaningful literary and informational texts for a variety of purposes and audiences
 |
| Instruction/ Just in time learning | ​​* Basic plots & conflicts
* How to use the graphic organizer to determine the key features from the interview
* What are genres?
	+ Video: Shrek but in 7 Different Genres ​ (on Media Arts 6-9 website)
 |
| Formative Assessment | * Teacher observations
* Peer discussion and feedback
 |
| Materials Needed | Media Arts 6-9 Website* Basic plots & conflicts
* Brainstorming graphic organizer
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| Teacher Reflection | * Students were better able to finalize their plans based on feedback from the presentations to their primary classes. Camera angles as well as how best to divide their iMovie “lesson” into comprehensible steps were well-informed.
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|  | IDEATE: Teams will develop a storyline considering setting, characters, and story events. If the video includes dialogue, students will create a script based on the storyboard. Students will learn/review shot styles, angles and camera motion |
| **ADST** Curricular Competencies | * Generate potential ideas and add to others’ ideas
* Screen ideas against criteria and constraints
* Evaluate personal, social, and environmental impacts and ethical considerations
* Choose an idea to pursue
 |
| **ADST** ContentMEDIA ARTS | * digital and non-digital media, and their distinguishing characteristics and uses
 |
| Additional Curriculum:**ENGLISH LANGUAGE ARTS** | COMPETENCIES: COMPREHEND AND CONNECT* Recognize and appreciate the role of story, narrative, and oral tradition in expressing First Peoples perspectives, values, beliefs, and points of view
* Select and use appropriate features, forms, and genres according to audience, purpose, and message
* Use and experiment with oral storytelling processes

CONTENT: STORY/TEXT: • forms, functions, and genres of text COMPETENCIES: CREATE AND COMMUNICATE * Use writing and design processes to plan, develop, and create engaging and meaningful literary and informational texts for a variety of purposes and audiences
 |
| Additional Curriculum:**SCIENCE** | * Communicate ideas, explanations, and processes in a variety of ways
 |
| Instruction/ Just in time learning | Media Arts 6-9 Website* Shot styles
* How to create a storyline
* How to write a script (not needed for an iMovie trailer)
 |
| Formative Assessment | * Share first draft of storyline with another team for feedback
* Reflective journal entry on participation
 |
| Materials Needed | Media Arts 6-9 Website* Video examples of various genres for writing styles (under the Define heading on the website)
* Storyline • Optional: Script writing tool (browser based)
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| Teacher Reflection | * This step takes time and allows for students to break into parts the targeted final product. For a first-time experience, the students demonstrated fair to good understanding of the process of storyboarding. Further experience and practice will help to refine these skills.
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|  | PROTOTYPE: Teams will storyboard their storyline, including shot style, camera angle, camera person, talent.  |
| **ADST** Curricular Competencies | * Identify and use sources of information
* Develop a plan that identifies key stages and resources
* Explore and test a variety of materials for effective use
* Construct a first version of the product or a prototype, as appropriate, making changes to tools, materials, and procedures as needed
* Record iterations of prototyping
 |
| **ADST** ContentMEDIA ARTS | * techniques for using images, sounds, and text to communicate information, settings, ideas, and story structure
 |
| Additional Curriculum:**ENGLISH LANGUAGE ARTS** | * COMPETENCY: Select and use appropriate features, forms, and genres according to audience, purpose, and message
* COMPETENCY: Use and experiment with oral storytelling processes
 |
| Additional Curriculum:**SCIENCE** | * Communicate ideas, explanations, and processes in a variety of ways
 |
| Instruction/ Just in time learning | * Why storyboard
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| Formative Assessment | * Students reflect on the degree to which the storyboard follows the storyline
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| Materials Needed | * Completed storyline

Media Arts 6-9 Website* Storyboards
* Storyline & Storyboarding, grade 6-7 and 8+​
 |
| Teacher Reflection | This step takes time and allows for students to break into parts the targeted final product. For a first-time experience, the students demonstrated fair to good understanding of the process of storyboarding. Further experience and practice will help to refine these skills. |

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|  | TEST: The Pitch: Teams will pitch to the class (or to the people they interviewed). The class or interviewee provide feedback. Teams iterate their original plan. |
| **ADST** Curricular Competencies | * Test the first version of the product or the prototype
* Gather peer and/or user and/or expert feedback and inspiration
* Make changes, troubleshoot, and test again
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| Additional Curriculum:**ENGLISH LANGUAGE ARTS** | CONTENT: LANGUAGE FEATURES, STRUCTURES, AND CONVENTIONS * presentation techniques
 |
| Additional Curriculum:**SCIENCE** | * Communicate ideas, explanations, and processes in a variety of ways
 |
| Instruction/ Just in time learning | * How to provide meaningful feedback
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| Formative Assessment | * Peer feedback
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| Materials Needed | Media Arts 6-9 Website* Ideas for a Pitch
* Feedback slips for peers
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|  | MAKE: Teams film as per their storyboard (obtaining permission before hand where needed). Teams should rotate the camera person, and talent roles. Students will then edit with iMovie |
| **ADST** Curricular Competencies | * Identify and use appropriate tools, technologies, and materials for production
* Make a plan for production that includes key stages, and carry it out, making changes as needed
* Use materials in ways that minimize waste
 |
| **ADST** Content | MEDIA ARTS: * techniques for using images, sounds, and text to communicate information, settings, ideas, and story structure

DIGITAL LITERACY CONTENT: * legal and ethical considerations, including creative credit and copyright, and cyberbullying
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| Additional Curriculum:**ENGLISH LANGUAGE ARTS** | COMPETENCIES: CREATE AND COMMUNICATE * Use writing and design processes to plan, develop, and create engaging and meaningful literary and informational texts for a variety of purposes and audiences
* Transform ideas and information to create original texts
 |
| Instruction/ Just in time learning | Options (on the Media Arts 6-9 Website)* How to use “Green Screen by Do Ink” app
* How to “Airdrop”
* How to use “Documents by Readdle” App (Importance of creative commons)
* Editing in iMovie
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| Formative Assessment | * Individual/Team daily reflection
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| Materials Needed | * Film equipment
* iMovie
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| Teacher Reflection | This step also requires time and there is much in the way of trouble shooting and learning through errors, doing retakes, working within time limits and figuring out microphones, how iMovie works, etc. Having an expert on hand to help with the trouble shooting was invaluable. After this experience, the students have become more adept and will be better able to work through the process again in the future. |

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|  | SHARE: Student share and reflect. Sharing could be at an assembly, on the Internet or more. It is important that students have an opportunity to share their work. |
| **ADST** Curricular Competencies | * Decide on how and with whom to share their product
* Demonstrate their product and describe their process, using appropriate terminology and providing reasons for their selected solution and modifications
* Evaluate their product against their criteria and explain how it contributes to the individual, family, community, and/or environment
* Reflect on their design thinking and processes, and evaluate their ability to work effectively both as individuals and collaboratively in a group, including their ability to share and maintain an efficient co-operative work space
* Identify new design issues
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| **ADST** Content | DIGITAL LITERACY: * methods for personal media management
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| Additional Curriculum:**ENGLISH LANGUAGE ARTS** | CONTENT: LANGUAGE FEATURES, STRUCTURES, AND CONVENTIONS: * presentation techniques

COMPETENCIES: CREATE AND COMMUNICATE * Use writing and design processes to plan, develop, and create engaging and meaningful literary and informational texts for a variety of purposes and audiences
 |
| Additional Curriculum:**SCIENCE** | * Communicate ideas, explanations, and processes in a variety of ways
 |
| Instruction/ Just in time learning | * How to share to a shareable space (how & where to share the video)
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| Formative Assessment | Media Arts 6-9 Website* Core Competencies Final Reflection
* Reflection: Human Centred Design Thinking Process
 |
| Materials Needed | * Log in to shareable space
* Discuss appropriate & private strategies for sharing and story media
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| Teacher Reflection | * Students shared their videos with their primary classroom audiences as well as with each other as a collective. They were proud, embarrassed and shy about their final products. They had fun watching the videos and were able to speak to what was effective as well as being able to provide constructive feedback for improvements. This was a true celebration of the journey to the final product.
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