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| **WEB TOOLS** | | | | | | | |
| **Unit 1: Google Docs & Google Sites** | | | | | | | |
| **Estimated Unit Time Frames** | **Big Ideas** | **Essential Questions** | **Concepts**  **(Know)** | **Competencies**  **(Do)** | **Lessons/ Suggested Resources** | **Vocabulary** | **Standards/ Eligible Content** |
| 6 | Google Docs & Google Sites | What is real time collaboration and how is it helpful in the workplace? | Computer Fundamentals  Technology Applications | Evaluate and select hardware and software to solve specific problems or tasks.  Demonstrate the ability to transfer skills among applications. | Students will be able to create and edit a Google site and add pages, content and digital photos to the site.  Students will be able to create a personal business letter in block format using Google Documents. | Emerging Technologies  Input  Embed  Shareable Link  Real Time | Standard - 15.3.12.S  Evaluate electronic communication options based on need.  Standard - 15.3.12.U  Critique the effectiveness of various electronic communication options related to desired outcomes.  Standard - 15.3.12.W  Collaborate via electronic communication with peers, educators, and/or professionals to meet organizational goals. |
| **Unit 1 Assessment – Class Projects will be showcased – Gallery Walk** | | | | | | | |
| **Unit 2: Digital Storytelling** | | | | | | | |
| **Estimated Unit Time Frames** | **Big Ideas** | **Essential Questions** | **Concepts**  **(Know)** | **Competencies**  **(Do)** | **Lessons/ Suggested Resources** | **Vocabulary** | **Standards/ Eligible Content** |
| 14 |  | What are the considerations when selecting a technology tool solve a problem, complete a task, or manage information?  What is effective Digital Storytelling? | Computer Fundamentals  Technology Applications | Evaluate and select hardware and software to solve specific problems or tasks.  Model digital etiquette and responsible social interactions related to use of technology. | Students will be able to create a digital story use a web tool of their choice of an epic moment they experienced. | Emerging Technologies  Input  Embed  Shareable Link  File types | Standard - 15.3.12.S  Evaluate electronic communication options based on need.  Standard - 15.3.12.U  Critique the effectiveness of various electronic communication options related to desired outcomes.  Standard - 15.4.12.G  Create an advanced digital project using sophisticated design and appropriate software/applications**.**  Standard - 15.4.12.K  Evaluate advanced multimedia work products and make recommendations based on the evaluation. |
| **Unit 2 Assessment – Class Project will be showcased – Presentations** | | | | | | | |
| **Unit 3: Create Yourself Digitally** | | | | | | | |
| **Estimated Unit Time Frames** | **Big Ideas** | **Essential Questions** | **Concepts**  **(Know)** | **Competencies**  **(Do)** | **Lessons/ Suggested Resources** | **Vocabulary** | **Standards/ Eligible Content** |
| 4 |  | What are the considerations when selecting a technology tool solve a problem, complete a task, or manage information? | Computer Fundamentals  Technology Applications | Select appropriate input and output technologies to optimize performance for a specific assignment.  Model safe, legal, and ethical use of digital information and technology. | Students will create a talking Avatar.  The Avatar must resemble themselves and the final product will have the character talking about.  The script will be written prior to the recording using Google Documents. #1 - One thing I would change in the world  #2 - Introduction to their Web Page. | Avatar  Voice Recorder  Embed Code  Pixels | Standard - 15.3.12.S  Evaluate electronic communication options based on need.  Standard - 15.3.12.U  Critique the effectiveness of various electronic communication options related to desired outcomes.  Standard - 15.4.12.G  Create an advanced digital project using sophisticated design and appropriate software/applications**.**  Standard - 15.4.12.K  Evaluate advanced multimedia work products and make recommendations based on the evaluation. |
| **Unit 3 Assessment – Class Projects will be showcased – Presentations** | | | | | | | |
| **Unit 4: Personal Artifact / Photo Editing** | | | | | | | |
| **Estimated Unit Time Frames** | **Big Ideas** | **Essential Questions** | **Concepts**  **(Know)** | **Competencies**  **(Do)** | **Lessons/ Suggested Resources** | **Vocabulary** | **Standards/ Eligible Content** |
| 10 |  | What are the considerations when selecting a technology tool solve a problem, complete a task, or manage information? | Computer Fundamentals  Technology Applications | Apply a variety of input technologies to maximize productivity (e.g. “touch method of keyboarding,” voice recognition and touch tablet). | Students will be able to edit a photo using the software of their choice and write a story about a valuable personal artifact that they own. | Crop / Dropper  Editing Tools  Contrast  Color Depth  Image Effects  Sharpen  Exposure | Standard - 15.3.12.S  Evaluate electronic communication options based on need.  Standard - 15.3.12.U  Critique the effectiveness of various electronic communication options related to desired outcomes.  Standard - 15.4.12.G  Create an advanced digital project using sophisticated design and appropriate software/applications**.**  Standard - 15.4.12.K  Evaluate advanced multimedia work products and make recommendations based on the evaluation. |
| **Unit 4 Assessment – Class Projects will be showcased – Gallery Walk** | | | | | | | |
| **:**  **Unit 5: Presentation Tools / Slideshows** | | | | | | | |
| **Estimated Unit Time Frames** | **Big Ideas** | **Essential Questions** | **Concepts**  **(Know)** | **Competencies**  **(Do)** | **Lessons/ Suggested Resources** | **Vocabulary** | **Standards/ Eligible Content** |
| 16 |  | What are the considerations when selecting a technology tool solve a problem, complete a task, or manage information? | Computer Fundamentals  Technology Applications | Create, format and edit various products using different productivity application tools to complete tasks.  Evaluate and select the most appropriate technology devices and communication tools to deliver and share finished products for others to view and collaborate. | Students will be able to create an online book or online web presentation about the year in which they were born. | Transition  Animation  Slide Effects  Template  Audio  Bullets  Views  Slide Sorter  Placeholder  Attributes | Standard - 15.3.12.S  Evaluate electronic communication options based on need.  Standard - 15.3.12.U  Critique the effectiveness of various electronic communication options related to desired outcomes.  Standard - 15.4.12.G  Create an advanced digital project using sophisticated design and appropriate software/applications**.**  Standard - 15.4.12.K  Evaluate advanced multimedia work products and make recommendations based on the evaluation. |
| **Unit 5 Assessment – Class Projects will be showcased – Presentations** | | | | | | | |
| **Unit 6: Spreadsheets** | | | | | | | |
| **Estimated Unit Time Frames** | **Big Ideas** | **Essential Questions** | **Concepts**  **(Know)** | **Competencies**  **(Do)** | **Lessons/ Suggested Resources** | **Vocabulary** | **Standards/ Eligible Content** |
| 10 |  | What are the considerations when selecting a technology tool solve a problem, complete a task, or manage information? | Computer Fundamentals  Technology Applications | Analyze the effectiveness of technology devices and application tools used to accomplish specific problems or organizational tasks. | Students will be able to create and use a spreadsheet for calculations. | Active Cell  Cell  Cell Name  Cell Reference  Columns  Rows  Auto Fill  Resize  Cursor Change  Formula Bar  Properties  Icon  Data  Fill  Filter  Range  Gridlines  Labels  Name Box  Sheet Tabs  Sort  Tabs  Values  Worksheet  Workbook | Standard - 15.3.12.S  Evaluate electronic communication options based on need.  Standard - 15.3.12.U  Critique the effectiveness of various electronic communication options related to desired outcomes.  Standard - 15.4.12.G  Create an advanced digital project using sophisticated design and appropriate software/applications**.**  Standard - 15.4.12.K  Evaluate advanced multimedia work products and make recommendations based on the evaluation. |
| **Unit 6 Assessment – Class Projects will be showcased or Gallery Walks** | | | | | | | |
| **Unit 7: Movie Making** | | | | | | | |
| **Estimated Unit Time Frames** | **Big Ideas** | **Essential Questions** | **Concepts**  **(Know)** | **Competencies**  **(Do)** | **Lessons/ Suggested Resources** | **Vocabulary** | **Standards/ Eligible Content** |
| 22 |  | What are the considerations when selecting a technology tool solve a problem, complete a task, or manage information? | Computer Fundamentals  Technology Applications | Demonstrate the ability to transfer skills among applications. | Students will be able to create a movie on school improvement.  *Web Resources*  iMOvie  WeVideo  Animoto  Various Web Resources | Capture device  Compressors  Codecs  Layering  Upload / import  Transition  Post Production  Storyboard  Preview  Clip  Scene  Timeline Mode  Project Window  Capture  Cut  Effect  Gradient  Lag Time  Aspect Ration  Format  Panoramic / Pan  Mic Level  Amplify | Standard - 15.3.12.S  Evaluate electronic communication options based on need.  Standard - 15.3.12.U  Critique the effectiveness of various electronic communication options related to desired outcomes.  Standard - 15.4.12.G  Create an advanced digital project using sophisticated design and appropriate software/applications**.**  Standard - 15.4.12.K  Evaluate advanced multimedia work products and make recommendations based on the evaluation. |
| **Assessment - Red Carpet Walk – Presentations will be held in Auditorium** | | | | | | | |
| **Unit 8: Drawings / Cartoons** | | | | | | | |
| **Estimated Unit Time Frames** | **Big Ideas** | **Essential Questions** | **Concepts**  **(Know)** | **Competencies**  **(Do)** | **Lessons/ Suggested Resources** | **Vocabulary** | **Standards/ Eligible Content** |
| **4** | Google Drawings | When is the best time to use various technologies?  What are the considerations when selecting a technology tool solve a problem, complete a task, or manage information? | Computer Fundamentals  Technology Applications |  | Students will be to create a paneled comic strip with various scenes and call outs. | Storyboard  Windows  Palette  Scene  Panels  Call outs  Layers | Standard - 15.3.12.S  Evaluate electronic communication options based on need.  Standard - 15.3.12.U  Critique the effectiveness of various electronic communication options related to desired outcomes.  Standard - 15.4.12.G  Create an advanced digital project using sophisticated design and appropriate software/applications**.**  Standard - 15.4.12.K  Evaluate advanced multimedia work products and make recommendations based on the evaluation. |
| **Assessment – Gallery Walk** | | | | | | | |
| **Unit 9: Screen Recording** | | | | | | | |
| **Estimated Unit Time Frames** | **Big Ideas** | **Essential Questions** | **Concepts**  **(Know)** | **Competencies**  **(Do)** | **Lessons/ Suggested Resources** | **Vocabulary** | **Standards/ Eligible Content** |
| **4** | A screencast is a digital video recording that captures actions taking place on a computer display | Why choose a screencast over other demonstration options?  What are the considerations when selecting a technology tool solve a problem, complete a task, or manage information? | Computer Fundamentals  Technology Applications |  | Students will be able to create a screencast demonstrating a skill that they learned in this year’s class. | Screencast  Shoot  Applications  Show  Embed  File types | Standard - 15.3.12.S  Evaluate electronic communication options based on need.  Standard - 15.3.12.U  Critique the effectiveness of various electronic communication options related to desired outcomes.  Standard - 15.4.12.G  Create an advanced digital project using sophisticated design and appropriate software/applications**.**  Standard - 15.4.12.K  Evaluate advanced multimedia work products and make recommendations based on the evaluation. |