



BRIGANTINE PUBLIC SCHOOLS
TECHNOLOGY CURRICULUM
GRADE FIVE

Date Revised: August 2015
Board Approved: August 27, 2015

SUBJECT: Technology
GRADE LEVEL: Fifth Grade
UNIT: Internet Safety

PACING GUIDE/STANDARDS

Two Weeks

- 8.1.5.D.1** – Understand the need for and use of copyrights.
- 8.1.5.D.2** – Analyze the resource citations in online materials for proper use.
- 8.1.5.D.3** – Demonstrate an understanding of the need to practice cyber safety, cyber security, and cyber ethics when using technologies and social media
- 8.1.5.D.4** – Understand digital citizenship and demonstrate an understanding of the personal consequences of inappropriate use of technology and social media

Interdisciplinary Connections:

CCSS.ELA-LITERACY.W.5.2

Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

21st Century Themes and Skills (Life and Careers):

- CRP1 – Act as a responsible and contributing citizen and employee.
- CRP8 – Utilize critical thinking to make sense of problems and persevere in solving them.
- CRP11 – Use technology to enhance productivity.

Instructional Activities	Materials	Modifications	Assessment/Benchmarks
<p>Determine how to maintain cyber security and cyber ethics using appropriate online behaviors</p> <p>Introduce cyber safety with the video links listed in materials</p> <p>Have students play the “Privacy Pirates Game” and the “Safety Land Game”</p> <p>Present scenarios to students and discuss appropriate ways to maintain cyber security and appropriate online behaviors. Determine the appropriate online behaviors related to cyber safety</p> <p>Explain Internet etiquette</p> <p>Create a list of rules regarding Internet etiquette.</p> <p>Have students take the online safety quiz found on the link below: http://www.safekids.com/quiz/index.html</p> <p>Create a list of rules in a word processing document that outlines appropriate behaviors when online with regard to cyber safety</p>	<p>Brain Pop</p> <p>https://www.esafety.gov.au/</p> <p>Hectors World</p> <p>http://mediasmarts.ca/sites/default/files/games/privacy_pirates/flash/PrivacyPirates_English/main.html</p> <p>http://www.att.com/Common/images/safety/game.swf</p>	<p>Allow students to work with a partner</p> <p>Chunk information into small parts</p> <p>Provide written notes for struggling students</p> <p>Provide graphic organizers</p> <p>Provide extra time to complete assignments</p>	<p>Brainpop Graded</p> <p>Oral Questioning</p> <p>Class Discussion</p> <p>Online cyber safety quiz</p> <p>Evaluation of Student Work</p>

SUBJECT: Technology
GRADE LEVEL: Fifth Grade
UNIT: Word Processing

PACING GUIDE/STANDARDS

Two Marking Periods

- 8.1.5.A.2** – Format a document using a word processing application to enhance text and include graphics, symbols and or pictures.
- 8.1.5.A.3** – Use a graphic organizer to organize information about problem or issue.

Interdisciplinary Connections:

CCSS.ELA-LITERACY.W.5.2

Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

21st Century Themes and Skills (Life and Careers):

CRP2 Apply appropriate academic and technical skills.

CRP6 Demonstrate creativity and innovation.

CRP11 Use technology to enhance productivity.

Instructional Activities	Materials	Modifications	Assessment/Benchmarks
<p>Introduce word processing program going through each component of the tool bar with the students. Have students practice creating a table using the “insert table” tab to create a table with specified columns and margin formats.</p> <p>Use a word processing program to create a document in which you alter the style and font, insert bullets and use spell check and the thesaurus tools of the program.</p> <p>Employ a word processing program to insert and format digital pictures.</p> <p>Model for students ways in which to insert pictures into a document giving step-by-step directions for students to follow.</p> <p>Have students practice inserting and formatting digital pictures into a document that they have retrieved from the Internet.</p>	<p>Internet Research</p> <p>Word</p> <p>Excel</p> <p>Google Docs</p> <p>Online Portfolio</p>	<p>Allow students to work with a partner</p> <p>Chunk information into small parts</p> <p>Provide extra time to complete assignments</p> <p>Handouts</p>	<p>Oral Questioning</p> <p>Class Discussion</p> <p>Evaluation of students final work</p>

SUBJECT: Technology
GRADE LEVEL: Fifth Grade
UNIT: Excel – Spreadsheets

PACING GUIDE/STANDARDS

One Marking Period

- 8.1.5.A.4** – Graph data using a spreadsheet, analyze and produce a report that explains the analysis of the data.
8.1.5.A.5 – Create and use a database to answer basic questions.
8.1.5.A.6 – Export data from a database into a spreadsheet; analyze and produce a report that explains the analysis of the data.

Interdisciplinary Connections:

CCSS.ELA-LITERACY.RH.6-8.7

Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts

21st Century Themes and Skills (Life and Careers):

- CRP2** Apply appropriate academic and technical skills.
CRP6 Demonstrate creativity and innovation.
CRP11 Use technology to enhance productivity

Instructional Activities	Materials	Modifications	Assessment/Benchmarks
<p>Introduce spreadsheet software or utilize Google Docs to demonstrate how to compile data from a quick class survey of a topic of interest to the students After model data has been compiled, show students how to create a graph and assess which graphic representation is the best way in which to present information</p> <p>Evaluate the best representation of information by creating multiple graphs using the same information to select best representation of data</p> <p>Grade 5: Use the Native American Database found at the link below: http://www.nativeweb.org/resources to create an Excel spreadsheet with fields of information that compare and contrast different tribes of Native Americans found in America</p> <p>Export this database and spreadsheet into a Document report where they will analyze their findings.</p>	<p>Internet Research</p> <p>Word</p> <p>Excel</p> <p>Google Docs</p> <p>Online Portfolio</p>	<p><i>(Special education, ELLs, at-risk students, gifted and talented)</i></p> <p>Allow students to work with a partner</p> <p>Chunk information into small parts</p> <p>Provide extra time to complete assignments</p> <p>Handouts</p>	<p>Oral Questioning</p> <p>Class Discussion</p> <p>Evaluation of students final work</p>

SUBJECT: Technology
GRADE LEVEL: Fifth Grade
UNIT: Online Portfolio

PACING GUIDE/STANDARDS

Marking Period

- 8.1.8.B.1** – Synthesize and publish information about a local or global issue or event.
- 8.1.8.F.1** – Explore a local issue, by using digital tools to collect and analyze data to identify a solution and make an informed decision

Interdisciplinary Connections:

CCSS.ELA-LITERACY.W.7.2

Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.

21st Century Themes and Skills (Life and Careers):

- CRP2** Apply appropriate academic and technical skills.
- CRP4** Communicate clearly and effectively and with reason.
- CRP11** Use technology to enhance productivity.

Instructional Activities	Materials	Modifications	Assessment/Benchmarks
<p>Discuss what an online portfolio is. Look at Google Drive Follow a direct lesson on setting up a website on Google drive. Students will learn how to edit, insert, upload, and use code on their website. Students will set up a grade webpage for the year. Have students research an issue that faces them here. Write an informed persuasive document on the issue they chose to show their point of view. Students will share this document with the class. They then will upload this document as the first to their online portfolio.</p>	<p>Google Drive Internet Website Design Cameras</p>	<p>Allow students to work with a partner Chunk information into small parts Provide written notes for struggling students Provide graphic organizers Provide extra time to complete assignments</p>	<p>Rubric Class Assignment Sheet Finished Project</p>