

# QUEST ACADEMY CHARTER SCHOOL

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## Fourth Grade Technology Learning Standards

### 1. Basic Operations and Concepts

#### Objectives:

- 1.1 Students will learn the difference between storing data on a local machine, and storing data on the network and will be able to save to both areas with no assistance.
- 1.2 Students will use the Thin Client System at home.
- 1.3 Students will learn their network ID and successfully log-in and log-out of computers independently. This includes to successfully log-in on both Mac and PC Environments.
- 1.4 Students will increase their recognition of the desk top and various tool bars on Mac and PC Platform.
- 1.5 Students will become familiar with the ribbon and the toolbars on Microsoft and iWorks programs (Word, Pages, Powerpoint, Keynote ect.).
- 1.6 Students will demonstrate the effective use of a search engine and learn to determine which search engine is appropriate for the type of material they are researching. Students will become proficient at searching with search engines such as Yahoo, Google, Sweet Search and Bing.

### 2. Social, Ethical, and Human Issues

#### Objectives:

- 2.1 Students will review the Cybersmart and Netsmartz Internet Safety Curriculum for their age level.
- 2.2 Students will show responsible use of technology.
- 2.3 Students will follow all computer lab rules and procedures.
- 2.4 Students will learn about proper copyright procedures and etiquette.
- 2.5 Students will learn how to properly cite an internet source.

### 3. Technology Productivity Tools

#### Objectives:

- 3.1 Students will learn how to use an iPad or tablet.
  - a. Including specific apps related to classwork.
- 3.2 Students will use iMovie and Windows Movie Maker to create a movie.
  - a. Students will add a title, images, text, transitions and music to their movie.
  - b. Students will learn how to edit the font, use precision editor, crop the image, ken burns feature ect.
  - c. Students will learn how to save and share their movie.
- 3.3 Students will learn how to use Garage Band to create their own song.
  - a. Students will add their music into their own digital project.
- 3.4 Students will enter a Uniform Resource Locator (URL) in the address bar of a web browser and navigate age appropriate websites.
- 3.5 Students will use a Word Processor to input detailed information which may include writing letters, poetry, reports, stories ect.
- 3.6 Students will learn the basic shortcut keys. This includes using Ctrl-C and Command-C and Ctrl-X and Command X, Ctrl-V and Command V, Ctrl S and Command S, Ctrl A and Command A.
- 3.7 Students will use a spreadsheet application to perform simple math functions including the use of the sum, product, and difference features.
  - a. Students will use a spreadsheet application to enter data and formulas that will help them learn a CORE concept. Students will use the data to create graphs of various types including bar graph, pie graph, and a line graph.
- 3.8 Students will use technology resources like calculators, dictionaries and thesauruses for problem solving.

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3.9 Students will use Google Earth to navigate various locations across the globe. They will use Google Earth to research and learn about topography, geography and climate changes.

### 4. Technology Communication Tools

#### Objectives:

- 4.1 Students will create their own Class Blog.
  - a. Students will upload documents, slideshows, images ect to their blog.
  - b. Students will leave comments on each other's posts.
- 4.2 Students will master creating a slide presentation using Powerpoint and Keynote.
- 4.3 Students will create a slide presentation using the program Prezi.
- 4.4 Students will use an iPad and presentation App such as Slideshark to present their presentations to the class.
- 4.5 Students will learn the correct keyboarding technique.
  - c. Students will learn how to sit up straight and place feet for balance.
  - d. Students will use the correct fingering while keying the introduced keys
  - e. Students will demonstrate the correct key reaches for all alphabet letters.
  - f. Students will curve fingers over the home keys.
  - g. Students will memorize the keys on a keyboard. (provide assessment with blank keyboard)
- 4.6 Students will demonstrate correct usage of the space bar, enter key, shift keys, backspace/delete key and tab key.
  - h. Tap the space bar with the right thumb.
  - i. Hit the return key with the right little finger.
  - j. Use the left shift key when capitalizing right hand letters.
  - k. Use the right shift key when capitalizing left hand letters.
  - l. Strike the backspace/delete key with the right little finger.
  - m. Tap the tab key with the left little finger.
- 4.7 Students will demonstrate correct fingering and correct usage of the period, comma, and the question mark.
  - n. Strike the period with the right ring finger.
  - o. Strike the comma with the right middle finger.
  - p. Key the question mark by holding down the left shift key with the left little finger and striking the question mark with the right little finger.
  - q. Demonstrate spacing rules when keying a period.
  - r. Demonstrate correct spacing when keying a question mark.
- 4.8 Students will key accurately from dictation and printed copy.
- 4.9 Students will key drills from printed text and a keyboarding program such as Type To Learn 4.
- 4.10 Students will key at a minimum of 20 words per minute on at least three one minute timings.
- 4.11 Students will communicate and correspond with another classroom in the state of Utah by web camera, Skype, or through their class blog.
- 4.12 Students will use a presentation App such as Educreations, Screenchomp, or Doceri to teach a lesson to the class.

### 5. Technology Research Tools

#### Objectives:

- 5.1 Students will use e-books to research age appropriate CORE topics.

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a. Using programs such as Voices 3C, Trueflix, Bookflix and Raz-Kids.

5.2 Students will use a search engine to research an age-appropriate, CORE specific topic.

5.4 Students will read an online publication or book.

### **6. Technology Problem-Solving and Decision-Making Tools**

#### **Objectives:**

6.1 Students will learn what the difference between fact-based websites and advertisements.