Common Core State Standards K-12 Technology Skills Scope and Sequence This scope and sequence is aligned to the Common Core State Standards requirements for Mathematics and English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects as well as skills required for the Smarter Balanced Assessment Consortium's Computer Adaptive Testing.





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## **Introduction to the Scope and Sequence Document**

This Scope and Sequence is adapted from the Fresno County Office of Education Recommended Digital Literacy and Technology Skills to Support the California Common Core State Standards.

The skills identified for each grade level align to the Common Core State Standards (CCSS) for Mathematics and English Language Arts & Literacy in History/Social Studies, Science and Technical Subjects as well as skills required to take the Smarter Balanced Assessment Consortium's (SBAC) Computer Adaptive Assessments.

Additional skills identified in this Scope and Sequence are from the National Educational Technology Standards 2007: Creativity and Innovation; Digital Citizenship; and Technology Operations and Concepts.

## **Standards**

Grade levels are not specified for the standards as they are indicated in the grade level columns.

| English Language Arts Anchor Standards                | Mathematics Standards                           |
|---|---|
| <b>RL</b> - Reading Standards for Literature;         | MD – Measurement and Data                       |
| <b>RI</b> - Reading Standards for Informational Text; | <b>G</b> - Geometry                             |
| W - Writing;  | <b>EE</b> - Expressions and Equations           |
| <b>SL</b> - Speaking and Listening;                   | A - Algebra                                     |
| L - Language.   | <b>F</b> - Functions                            |
|   | <b>SP</b> - Statistics and Probability          |
|   | <b>SMP</b> - Standards of Mathematical Practice |

Mathematics standards are focused mainly in grades 6-12 as there are no technology requirements in grades K-5. Most of the SBAC Testing Skills cover the skills that students will be required to have to take the online assessment. <u>Mathematical Standards of Practice (SMP)</u> are also referenced as they encompass use of appropriate technology tools across various standards.

The scope and sequence goes from K-12 but is broken up into sections for K-5 and 6-12. Even though students in grades K, 1, 2, 9, 10 and 12 are not tested for CCSS, the skills help build basic technology competencies to support the grade levels at which the students are tested.

The Scope and Sequence identifies which grade levels the skills need to be <u>Introduced (I)</u>, <u>Reinforced (R)</u> and <u>Mastered (M)</u>. Skills identified as <u>Optional for Grade Level (O)</u> are left to the discretion of the teacher who may choose to teach the skills to the students.



| Digital Literacy   | v Categories | Alignment to<br>CCSS/ SBAC | Skills   | K          | 1          | 2          | 3              | 4   | 5 |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
|--|--------------|----------------------------|--|------------|------------|------------|----------------|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|----------------|---|--|---|---|---|---|
|  |              | SBAC test<br>taking skills | Turn on a computer and login   | Ι          | R          | М          | М              | М   | М |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
|  |              | SBAC test<br>taking skills | Use pointing device such as a mouse to manipulate shapes, icons; click on urls, radio buttons, check boxes; use scroll bar | Ι          | R          | М          | М              | М   | М |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
|  |              | SBAC test<br>taking skills | Use desktop icons, windows and menus to open applications and documents  | Ι          | R          | М          | М              | М   | М |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
|  | Basic        | SBAC test<br>taking skills | File management – saving documents   | 0          | Ι          | R          | М              | М   | М |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
| Demonstrate<br>proficiency in  | Operations   | SBAC test<br>taking skills | Explain and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser)                        |            | Ι          | R          | М              | М   | М |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
| the use of<br>computers and<br>applications as<br>well as an<br>understanding<br>of the concepts<br>underlying |              |                            |  |            |            |            | W 6            | <ul> <li>Keyboarding</li> <li>Use proper posture and ergonomics</li> <li>Locate and use letter and numbers keys with left and right hand placement.</li> <li>Locate and use correct finger, hand for space bar, return/enter and shift key</li> <li>Gain proficiency and speed in touch typing</li> </ul> | I | R | М | М | М | М |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
| hardware,<br>software and<br>connectivity.   |              | W 5, W 6, W 10             | Use a word processing application to write, edit, print and save simple assignments  | Ι          | R          | М          | М              | М   | М |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
| connectivity.  |              |                            |  |            |            |            |                |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  | W 5, W 6, W 10 | Use menu/tool bar functions (e.g. font/size/style/, line spacing, margins) to format, edit and print a document |  | Ι | R | М | М |
|  | Word         | W.5, W6, W 10              | Highlight text, copy and paste text  |            | 0          | Ι          | R              | М   | М |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
|  | C            | Processing -               | Processing -   | Processing | Processing | Processing | W 5, W 6, W 10 | <ul> <li>Copy and paste images within the document and<br/>from outside sources</li> <li>Insert and size a graphic in a document</li> </ul>   |   | Ι | R | М | М | М |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
|  |              | L 4                        | Proofread and edit writing using appropriate resources (e.g., dictionary, spell checker, grammar, and thesaurus).          |            | 0          | Ι          | R              | М   | М |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |
| I – Introd   | luce R       | - Reinforce                | M – Mastery (ability to teach others) 0 -  | Opti       | onal f     | or gra     | ade le         | vel   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |                |   |  |   |   |   |   |

| Digital Literacy                               | Categories                        | Alignment to<br>CCSS/ SBAC           | Skills  | K     | 1      | 2     | 3      | 4  | 5 |
|--|-----------------------------------|--------------------------------------|---|-------|--------|-------|--------|----|---|
|  |                                   | MD , SBAC<br>testing skills          | Demonstrate an understanding of the spreadsheet as a tool to record, organize and graph information.                        |       |        |       | Ι      | R  | М |
|  | Spreadsheet                       | SBAC testing<br>skills               | Identify and explain terms and concepts related to<br>spreadsheets (i.e. cell, column, row, values, labels, chart<br>graph) |       |        | 0     | Ι      | R  | М |
| Demonstrate                                    | (Tables/<br>Charts and            | MD , SBAC<br>testing skills          | Enter/edit data in spreadsheets and perform calculations using formulas   |       |        | 0     | Ι      | R  | М |
| proficiency in<br>the use of<br>computers and  | Graphs)                           | MD , SBAC<br>testing skills          | Use mathematical symbols e.g. + add, - minus, *multiply,<br>/divide, ^ exponents  |       |        |       | Ι      | R  | М |
| applications as well as an                     |                                   | RI 7                                 | Use spreadsheets and other applications to make predictions, solve problems and draw conclusions.                           |       |        |       | Ι      | R  | М |
| understanding<br>of the concepts<br>underlying | Multimedia<br>and<br>Presentation | W 6                                  | Create, edit and format text on a slide   |       | Ι      | R     | М      | М  | М |
| hardware,<br>software and                      |                                   | W 6                                  | Create a series of slides and organize them to present research or convey an idea   |       |        | Ι     | R      | М  | М |
| connectivity.                                  |                                   | W 6, SL 5                            | Copy and paste or import graphics; change their size and position on a slide  |       |        | 0     | Ι      | R  | М |
|  | Tools                             | Tools W6 SL 5 Use pair               | Use painting and drawing tools/ applications to create and edit work  |       |        | Ι     | R      | М  | М |
|  |                                   | W 6, RL 7,<br>SBAC testing<br>skills | Watch online videos and use play, pause, rewind and forward buttons while taking notes                                      | Ι     | R      | М     | М      | М  | М |
| I – Intro                                      | duce R                            | - Reinforce                          | M – Mastery (ability to teach others) 0 – 0   | Optio | nal fo | r gra | de lev | el |   |

| Digital Literacy   | Categories                     | Alignment to<br>CCSS/SBAC | Skills  | K      | 1     | 2     | 3 | 4 | 5 |
|--|--------------------------------|---------------------------|---|--------|-------|-------|---|---|---|
| Demonstrate the  |                                | Digital<br>Citizenship    | Explain and demonstrate compliance with classroom,<br>school rules (Acceptable Use Policy) regarding<br>responsible use of computers and networks               | Ι      | R     | М     | М | М | М |
| responsible use<br>of technology<br>and an               |                                | Digital<br>Citizenship    | Explain responsible uses of technology and digital information; describe possible consequences of inappropriate use   | Ι      | R     | М     | М | М | М |
| understanding of<br>ethics and safety<br>issues in using | Acceptable<br>Use,             | Digital<br>Citizenship    | Explain Fair Use Guidelines for the use of copyrighted materials, (e.g. text, images, music, video in student projects) and giving credit to media creators     |        | I     | R     | М | М | М |
| electronic media<br>at home, in<br>school and in         | Copyright<br>and<br>Plagiarism | Digital<br>Citizenship    | Identify and explain the strategies for the safe and<br>efficient use of computers (e.g. passwords, virus<br>protection software, spam filters, popup blockers) |        | I     | R     | М | М | М |
| society.   |                                | Citizenshin potentiall    | Demonstrate safe email practices, recognition of the<br>potentially public exposure of email and appropriate<br>email etiquette                                 |        |       |       | Ι | R | М |
|  |                                | Digital<br>Citizenship    | Identify cyberbullying and describe strategies to deal with such a situation  | Ι      | R     | М     | М | М | М |
|  |                                | Digital<br>Citizenship    | Recognize and describe the potential risks and dangers associated with various forms of online communications   |        | Ι     | R     | М | М | М |
| I -  | Introduce                      | R – Reinforce             | M – Mastery (ability to teach others) 0 - Optiona   | al for | grade | level |   |   |   |

| Digital Literacy C                                  | ategories                               | Alignment to<br>CCSS/SBAC | Skills  | K          | 1          | 2          | 3          | 4          | 5          |                         |  |  |  |   |   |   |   |
|---|---|---------------------------|---|------------|------------|------------|------------|------------|------------|-------------------------|--|--|--|---|---|---|---|
|   |   | RI 5, RI 7                | Use age appropriate technologies to locate, collect, organize<br>content from media collection for specific purposes, citing<br>sources                 | Ι          | R          | М          | М          | М          | М          |                         |  |  |  |   |   |   |   |
|   |   | RI 5, RI 7                | Perform basic searches on databases, (e.g. library, card catalog, encyclopedia) to locate information.  |            |            | Ι          | R          | М          | М          |                         |  |  |  |   |   |   |   |
|   | Research and                            | RI 5, RI 7                | Evaluate teacher-selected or self-selected Internet resources in terms of their usefulness for research   | Ι          | R          | М          | М          | М          | М          |                         |  |  |  |   |   |   |   |
| Demonstrate the                                     | Gathering<br>Information                | RI 7                      | Use content specific technology tools (e.g. environmental probes, sensors, and measuring devices, simulations) to gather and analyze data.              |            |            | 0          | Ι          | R          | М          |                         |  |  |  |   |   |   |   |
| ability to use<br>technology for                    |   | RI 6, RI 7, RI 9          | Use Web 2.0 tools (e.g. online discussions, blogs and wikis) to gather and share information  |            |            | 0          | Ι          | R          | М          |                         |  |  |  |   |   |   |   |
| research, critical<br>thinking, decision<br>making, |   | RL 7                      | Identify and analyze the purpose of a media message (to inform, persuade and entertain)   | Ι          | R          | М          | М          | М          | М          |                         |  |  |  |   |   |   |   |
| communication<br>and collaboration,                 |   | W 6                       | Work collaboratively online with other students under teacher supervision   |            |            | Ι          | R          | М          | М          |                         |  |  |  |   |   |   |   |
| creativity and innovation.                          | Communi-<br>cation and<br>Collaboration | W 6, W 10                 | Use a variety of age-appropriate technologies (e.g. drawing program, presentation software) to communicate and exchange ideas                           |            | I          | R          | М          | М          | М          |                         |  |  |  |   |   |   |   |
|   |   | cation and                | cation and  | cation and | cation and | cation and | cation and | cation and | cation and | W 6, W 10<br>SL 2, SL 5 | Create projects that use text and various forms of graphics,<br>audio, and video, (with proper citations) to communicate<br>ideas. |  |  | Ι | R | М | М |
|   |   | W 6, W 10<br>SL 3         | Use teacher developed guidelines to evaluate multimedia presentations for organization, content, design, presentation and appropriateness of citations. |            |            | 0          | Ι          | R          | М          |                         |  |  |  |   |   |   |   |
|   |   | W 6, W 10<br>SL 1         | Use district approved Web 2.0 tools for communication and collaboration   |            |            | Ι          | R          | М          | М          |                         |  |  |  |   |   |   |   |
| I – Intro   | duce                                    | R – Reinforce             | M – Mastery (ability to teach others) 0 – Op  | tiona      | l for g    | rade       | level      |            |            |                         |  |  |  |   |   |   |   |

Secondary

| Digital Literacy C  | ategories  | Alignment to<br>CCSS/SBAC              | Skills  | 6  | 7     | 8     | 9      | 10   | 11   | 12   |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
|---|------------|--|---|--|-------|-------|--------|------|------|------|--|---|------|------|------|------|------|------|------|------|-------------------------|--|---|---|---|---|---|---|
|   |            |  |   |  |       |       |        |      |      |      | Technology<br>Operations &<br>Concepts | Identify successful troubleshooting strategies for minor hardware and software issues/problems (e.g., "frozen screen"). | Ι    | R    | М    | М    | М    | М    | М    |      |                         |  |   |   |   |   |   |   |
|   |            | Technology<br>Operations &<br>Concepts | Independently operate peripheral equipment (e.g., scanner, digital camera, camcorder), if available.  | Ι  | R     | М     | М      | М    | М    | М    |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
|   | Basic      | Technology<br>Operations &<br>Concepts | Compress and expand large files   | Ι  | R     | М     | М      | М    | М    | М    |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
| Demonstrate<br>proficiency in the<br>use of computers                 | Operations | Technology<br>Operations &<br>Concepts | Identify and use a variety of storage media (e.g., CDs,<br>DVDs, flash drives, school servers, and online storage<br>spaces), and provide a rationale for using a certain<br>medium for a specific purpose. | Ι  | R     | М     | М      | М    | М    | М    |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
| and applications<br>as well as an<br>understanding of<br>the concepts |            |  | W 6   | Demonstrate automaticity in keyboarding skills by<br>increasing accuracy and speed.<br>(For students with disabilities, demonstrate alternate<br>input techniques as appropriate.) | R     | М     | М      | М    | М    | М    | М                                      |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
| underlying the hardware,  |            | Creativity &<br>Innovation             | Identify and assess the capabilities and limitations of emerging technologies.  | Ι  | R     | М     | М      | М    | М    | М    |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
| software and<br>connectivity.   | Word       | W 5, W 6, W 10                         | Demonstrate use of intermediate features in word<br>processing application (e.g., tabs, indents, headers and<br>footers, end notes, bullet and numbering, tables).  | Ι  | R     | М     | М      | М    | М    | М    |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
|   |            | Word                                   | Word  | Word   | Word  | Word  | Word   | Word | Word | Word | Word                                   | Word  | Word | Word | Word | Word | Word | Word | Word | Word | W 5, W 6, W 10,<br>SL 5 | Apply advanced formatting and page layout features when<br>appropriate (e.g., columns, templates, and styles) to<br>improve the appearance of documents and materials. | Ι | R | М | М | М | М |
|   | Processing | W.5, W6, W 10                          | Highlight text, copy and paste text   | R  | М     | М     | М      | М    | М    | М    |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
|   |            | W 5, W 6, W 10,<br>SL 1                | Use the Comment function in Review for peer editing of documents  | Ι  | R     | М     | М      | М    | М    | М    |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
|   |            | W 5, W 6, W 10,<br>SL 1                | Use the Track Changes feature in Review for peer editing of documents   |  | 0     | Ι     | R      | М    | М    | М    |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |
| I – Int   | roduce     | R – Reinforce                          | M – Mastery (ability to teach others) 0   | – Opt  | ional | for g | rade l | evel |      |      |  |   |      |      |      |      |      |      |      |      |                         |  |   |   |   |   |   |   |

| Digital Literad                          | cy Categories                | Alignment to<br>CCSS/SBAC            | Skills  | 6       | 7    | 8     | 9 | 10 | 11 | 12 |
|--|------------------------------|--------------------------------------|---|---------|------|-------|---|----|----|----|
|  |                              | F, SMP 5, RI 7                       | Use spreadsheets to calculate, graph, organize, and present<br>data in a variety of real-word settings and choose the most<br>appropriate type to represent given data  | Ι       | R    | М     | М | М  | М  | М  |
|  |                              | F, SMP 5, RI 7                       | Enter formulas and functions; use the auto-fill feature in a spreadsheet application.   | Ι       | R    | М     | М | М  | М  | М  |
| Demonstrate                              |                              | F, EE, SMP 5,<br>RI 7                | Use functions of a spreadsheet application (e.g., sort, filter, find).  | Ι       | R    | М     | М | М  | М  | М  |
| proficiency in<br>the use of             | Spreadsheet<br>(Tables/      | EE, SMP 6                            | Use various number formats (e.g. scientific notations, percentages, exponents) as appropriate   | Ι       | R    | М     | М | М  | М  | М  |
| computers and applications as well as an | Charts and<br>Graphs)        | F, SMP 5, RI 7                       | Use advanced formatting features of a spreadsheet<br>application (e.g., reposition columns and rows, add and name<br>worksheets).   | I       | R    | М     | М | М  | М  | М  |
| understanding<br>of the concepts         |                              | SMP 5, RI 7                          | Differentiate between formulas with absolute and relative cell references.  |         |      | I     | R | М  | М  | М  |
| underlying<br>hardware,                  |                              | SMP 5, RI 7                          | Use multiple sheets within a workbook, and create links among worksheets to solve problems.   |         | 0    | Ι     | R | М  | М  | М  |
| software and connectivity.               |                              | SMP 5, RI 7                          | Import and export data between spreadsheets and other applications.   |         | 0    | Ι     | R | М  | М  | М  |
|  |                              | G, SMP 5                             | Draw two and three dimensional geometric shapes using a variety of technology tools.  | Ι       | R    | М     | М | М  | М  | М  |
|  |                              | EE, SMP 5                            | Use and interpret scientific notations using a variety of technology applications.  |         |      | Ι     | R | М  | М  | М  |
|  | Mathematical<br>Applications | EE, A, F, SP,<br>SMP 5,<br>W 8, SL 5 | Explain and demonstrate how specialized technology tools<br>can be used for problem solving, decision making, and<br>creativity in all subject areas (e.g., simulation software,<br>environmental probes, computer aided design, geographic<br>information systems, dynamic geometric software, graphing<br>calculators). | Ι       | R    | М     | М | М  | М  | М  |
|  | I – Introduce                | R – Reinforce                        | e M – Mastery (ability to teach others) 0 - Optiona   | l for g | rade | level |   |    |    |    |

| Digital Literacy                                  | Categories                          | Alignment to<br>CCSS/SBAC          | Skills   | 6      | 7      | 8     | 9    | 10    | 11 | 12 |
|---|-------------------------------------|------------------------------------|--|--------|--------|-------|------|-------|----|----|
| Demonstrate<br>proficiency in                     |                                     | SMP 3, SL 5                        | Create presentations for a variety of audiences and purposes with use of appropriate transitions and animations to add interest.   | R      | М      | М     | М    | М     | М  | М  |
| the use of<br>computers<br>and                    | Multimedia<br>and                   | SMP 5, W 6                         | Use a variety of technology tools (e.g., dictionary,<br>thesaurus, grammar checker, calculator/graphing<br>calculator) to maximize the accuracy of work.                         | R      | М      | М     | М    | М     | М  | М  |
| applications<br>as well as an                     | Presentation<br>Tools               | SL 5                               | Make strategic use of digital media to enhance understanding   | R      | М      | М     | М    | М     | М  | М  |
| understandin<br>g of the                          |                                     | W 6, SL 5                          | Use painting and drawing tools/ applications to create and edit work   | R      | М      | М     | М    | М     | М  | М  |
| concepts<br>underlying<br>hardware,               |                                     | RL 7, RI 7, SBAC<br>testing skills | Use note-taking skills while viewing online videos and using the play, pause, rewind and stop buttons.   | R      | М      | М     | М    | М     | М  | М  |
| software and connectivity.                        |                                     | SMP 3, SL 5                        | Independently use appropriate technology tools (e.g.,<br>graphic organizer, audio, visual) to define problems and<br>propose hypotheses.   | I      | R      | М     | М    | М     | М  | М  |
| Demonstrate<br>the<br>responsible                 |                                     | Digital<br>Citizenship             | Comply with the district's Acceptable Use Policy related<br>to ethical use, cyberbullying, privacy, plagiarism, spam,<br>viruses, hacking, and file sharing.                     | R      | М      | М     | М    | М     | М  | М  |
| use of<br>technology<br>and an                    |                                     | Digital<br>Citizenship             | Explain Fair Use guidelines for using copyrighted materials and possible consequences (e.g., images, music, video, text) in school projects.                                     | R      | М      | М     | М    | М     | М  | М  |
| understandin<br>g of ethics and<br>safety issues  | Acceptable<br>Use, Copyright<br>and | Digital<br>Citizenship             | Analyze and explain how media and technology can be used to distort, exaggerate, and misrepresent information.   | I      | R      | М     | М    | М     | М  | М  |
| in using<br>electronic                            | Plagiarism                          | Digital<br>Citizenship             | Give examples of hardware and applications that enable people with disabilities to use technology.   | Ι      | R      | М     | М    | М     | М  | М  |
| media at<br>home, in<br>school and in<br>society. |                                     | Digital<br>Citizenship             | Explain the potential risks associated with the use of<br>networked digital environments (e.g., internet, mobile<br>phones, wireless, LANs) and sharing personal<br>information. | R      | М      | М     | М    | М     | М  | М  |
| I – I   | ntroduce                            | R – Reinforce                      | M – Mastery (ability to teach others) C  | ) – Op | tional | for g | rade | level |    |    |

| Digital Literacy                                       | Digital Literacy Categories             |                       | Skills   | 6   | 7      | 8       | 9    | 10    | 11 | 12 |   |
|--|---|-----------------------|--|---|--------|---------|------|-------|----|----|---|
|  |   | RI 5, RI 7            | Identify probable types and locations of Web sites by examining their domain names (e.g., edu, com, org, gov, au).   | Ι   | R      | М       | М    | М     | М  | М  |   |
|  |   | RI 5, RI 7            | Use effective search strategies for locating and retrieving electronic information (e.g., using syntax and Boolean logic operators).                       | R   | М      | М       | М    | М     | М  | М  |   |
| Demonstrate the  |   | RI 5, RI 7            | Use search engines and online directories. Explain the differences among various search engines and how they rank results.                                 | Ι   | R      | М       | М    | М     | М  | М  |   |
| ability to use<br>technology for<br>research, critical | Research                                | RI 7                  | Use appropriate academic language in online learning<br>environments (e.g., post, thread, intranet, discussion<br>forum, drop box, account, and password). | Ι   | R      | М       | М    | М     | М  | М  |   |
| thinking,<br>decision making,<br>communication,        | (Gathering<br>and Using<br>Information) | RI 5, RI 7, SMP 3     | Explain how technology can support communication<br>and collaboration, personal and professional<br>productivity, and lifelong learning.                   | Ι   | R      | М       | М    | М     | М  | М  |   |
| collaboration,<br>creativity and<br>innovation.        |   |                       | RI 5, RI 7   | Write correct in-text citations and reference lists for text and images gathered from electronic sources. | Ι      | R       | М    | М     | М  | М  | М |
| innovation.  |   | RI 5, RI 7            | Use Web browsing to access information (e.g., enter a URL, access links, create bookmarks/favorites, print Web pages).                                     | Ι   | R      | М       | М    | М     | М  | М  |   |
|  |   | RI 7, RI 10,<br>SMP 5 | Use and modify databases and spreadsheets to analyze data and propose solutions.   | Ι   | R      | М       | М    | М     | М  | М  |   |
|  |   | RI 7, SMP 3           | Develop and use guidelines to evaluate the content,<br>organization, design, use of citations, and presentation<br>of technologically enhanced projects.   | Ι   | R      | М       | М    | М     | М  | М  |   |
| I – In   | itroduce                                | R – Reinforce         | M – Mastery (ability to teach others) C  | ) – Op  | tional | l for g | rade | level |    |    |   |

| Digital Literacy  | Categories                              | Alignment to<br>CCSS/SBAC          | Skills  | 6                 | 7   | 8   | 9    | 10    | 11 | 12 |   |   |   |
|---|---|------------------------------------|---|-------------------|---|---|------|-------|----|----|---|---|---|
|   |   | W 6, W 10,<br>SL 5,<br>SMP 5, RI 7 | Use a variety of media to present information for<br>specific purposes (e.g., reports, research papers,<br>presentations, newsletters, Web sites, podcasts, blogs),<br>citing sources.  | R                 | М   | М   | М    | М     | М  | М  |   |   |   |
| Demonstrate<br>the ability to<br>use technology               |   | W6, W 10,<br>SL 2, SL 5,<br>SMP 3  | Demonstrate how the use of various techniques and<br>effect (e.g., editing, music, color, rhetorical devices) can<br>be used to convey meaning in media.  | Ι                 | R   | М   | М    | М     | М  | М  |   |   |   |
| for research,<br>critical<br>thinking,<br>decision            | Communi-<br>cation and<br>Collaboration | cation and                         | cation and  | cation and        | RI 6, RI 7, RI<br>9, SMP 3,<br>SL 5   | Use a variety of district approved Web 2.0 tools (e.g., e-<br>mail discussion groups, blogs, etc.) to collaborate and<br>communicate with peers, experts, and other audiences<br>using appropriate academic language. | R    | М     | М  | М  | М | М | М |
| making,<br>communication,<br>collaboration,<br>creativity and |   |                                    |   | W 6, W 10<br>SL 3 | Use teacher developed guidelines to evaluate<br>multimedia presentations for organization, content,<br>design, presentation and appropriateness of citations. | R   | М    | М     | М  | М  | М | М |   |
| innovation.   |   | RI 6, RI 7,<br>RI 9, SMP 3         | Plan and implement a collaborative project with<br>students in other classrooms and schools using<br>telecommunications tools (e.g., e-mail, discussion<br>forums, groupware, interactive Web sites, video-<br>conferencing). | I                 | R   | М   | М    | М     | М  | М  |   |   |   |
| I – Ir  | ntroduce                                | R – Reinforce                      | M – Mastery (ability to teach others) C   | ) – Op            | tiona   | l for g   | rade | level |    |    |   |   |   |