

Oakland Unified School District – Draft 5<sup>th</sup> Grade Technology Standards – August 2002

| Technology Skill Area                                                           | 5th Grade Level Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Examples of Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Technology Literacy &amp; Basic Operations</b><br><br>NETS 1, 2              | <ul style="list-style-type: none"> <li><input type="checkbox"/> Starts &amp; shuts down computer, monitor, and printer</li> <li><input type="checkbox"/> Opens, closes, and quits programs</li> <li><input type="checkbox"/> Saves and finds files in appropriate folder on classroom computers &amp; network (LAN/WAN)</li> <li><input type="checkbox"/> Uses input and output devices efficiently</li> <li><input type="checkbox"/> Solves routine minor hardware and software problems &amp; beginning to develop strategies for more advanced issues</li> <li><input type="checkbox"/> Beginning use of special keys: esc, shift, arrows, spacebar, backspace, delete, enter, alt and ctrl.</li> <li><input type="checkbox"/> Uses only disks provided by teacher or student assigned file on school server.</li> </ul>                       | Language Arts Content Standards<br>Writing 2.3 Write research reports about important ideas, issues, or events by using the following guidelines: <ol style="list-style-type: none"> <li>a) Frame questions that direct the investigation.</li> <li>b) Establish a controlling idea or topic.</li> <li>c) Develop the topic with simple facts, details, examples, and explanations.</li> </ol>                                                                                                                                                                                                                                                                                                |
| <b>Ethical Use &amp; Critical Thinking (Information Literacy)</b><br><br>NETS 2 | <ul style="list-style-type: none"> <li><input type="checkbox"/> Works cooperatively and collaboratively with others when using technology in classroom .</li> <li><input type="checkbox"/> Uses technology resources for making informed decisions and solving problems</li> <li><input type="checkbox"/> Understands the ethical, cultural, and societal issues related to technology</li> <li><input type="checkbox"/> Recognizes and avoids unsafe sites, or those that foster cultural, gender or racial biases</li> <li><input type="checkbox"/> Demonstrates appropriate use of bibliographies and cites sources correctly</li> <li><input type="checkbox"/> Uses netiquette when using email, discussion boards</li> <li><input type="checkbox"/> Obtains permission prior to downloading files or documents from the internet.</li> </ul> | <b>Curriculum Integration Example:</b><br>As part of the Open Court heritage Unit, students bring in family artifacts to photograph or scan for their report on family history. The teacher brainstorms with students using Inspiration what questions they should ask their families. After compiling their answers, students use AlphaSmart keyboards to write initial drafts. Students follow formatting guidelines with name and date right aligned, title centered, first line indented .25" using first line indent, body text is 12 point font, and correct punctuation and spelling. Students create memory pages and link them for presentation at 5 <sup>th</sup> grade graduation. |
| <b>Word Processing</b><br><br>NETS 3                                            | <ul style="list-style-type: none"> <li><input type="checkbox"/> Uses standard position on keyboard to increase proficiency and type, working towards 20 words per minute</li> <li><input type="checkbox"/> Uses spell check</li> <li><input type="checkbox"/> Formats text, paragraphs, and documents</li> <li><input type="checkbox"/> Uses columns and inserts column breaks</li> <li><input type="checkbox"/> Uses word processor final drafts as part of the writing process.</li> </ul>                                                                                                                                                                                                                                                                                                                                                      | <b>Social Studies Content Standard</b><br>5.4-1: Understand the influence of location and physical setting on the founding of the original 13 colonies, and identify on a map the locations of the colonies and of the American Indian nations already inhabiting these areas.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Graphics</b><br><br>NETS 3                                                   | <ul style="list-style-type: none"> <li><input type="checkbox"/> Imports digital images to word processing and other programs</li> <li><input type="checkbox"/> Uses teacher guidance to capture digital images with scanner and camera</li> <li><input type="checkbox"/> Creates images with paint/draw programs</li> <li><input type="checkbox"/> Uses text wrap with images.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Curriculum Integration Example:</b><br>Students use websites found by the teacher and import a colonial map. Students research the Colonial Clothing WebQuest. They create a multimedia or video presentation and a brochure advertising one of the colonies. Each group contributes an article to a class historical newsletter on the different colonies and how geography affects how the colony developed.                                                                                                                                                                                                                                                                             |
| <b>Internet &amp; E-Mail Use</b><br><br>NETS 2, 4, 5                            | <ul style="list-style-type: none"> <li><input type="checkbox"/> Introduced to internet protocol and netiquette</li> <li><input type="checkbox"/> Conducts directed web research independently, self-guided in a WebQuest or an Internet workshop</li> <li><input type="checkbox"/> Uses web search engines with teacher guidance</li> <li><input type="checkbox"/> Beginning to evaluate sites and information for validity, relevance, and accuracy</li> <li><input type="checkbox"/> Accesses and uses primary sources available on-line</li> <li><input type="checkbox"/> Identifies parts of e-mail using a class account with teacher supervision &amp; following district guidelines</li> <li><input type="checkbox"/> Uses discussion boards to collaborate and brainstorm online.</li> </ul>                                              | <b>Science Content Standard</b><br>5.b: Students know the solar system includes the planet Earth, the moon, the sun, eight other planets and their satellites, and smaller objects, such as asteroids and comets.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Databases &amp; Spreadsheets</b><br><br>NETS 3, 6                            | <ul style="list-style-type: none"> <li><input type="checkbox"/> Is able to manipulate data from existing spreadsheets</li> <li><input type="checkbox"/> Explains what the data represents</li> <li><input type="checkbox"/> Creates a simple pie or bar chart using computer</li> <li><input type="checkbox"/> Collects, inputs, analyzes, organizes and displays data graphically</li> <li><input type="checkbox"/> Introduces creating simple formulas and charts</li> <li><input type="checkbox"/> Creates and inputs data into simple database</li> </ul>                                                                                                                                                                                                                                                                                     | <b>Curriculum Integration Example</b><br>Students create original artwork in Kid Pix as part of their planet unit. With teacher guidance, students uses a search engine to find 3 facts about one of the planets. They link 9 digital images of planets to show a voyage to the sun from the outer solar system using Kid Pix.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Presentation &amp; Multimedia</b><br><br>NETS 3, 5, 6                        | <ul style="list-style-type: none"> <li><input type="checkbox"/> Plans and storyboards project</li> <li><input type="checkbox"/> Creates multiple (6) drawings or digital images to link in a slide show program</li> <li><input type="checkbox"/> Creates transitions between slides, and imports sounds and animations</li> <li><input type="checkbox"/> Adds narration or text to slide shows or presentation software</li> <li><input type="checkbox"/> Applies design features to pages</li> <li><input type="checkbox"/> Uses a teacher-created rubric for assessment.</li> </ul>                                                                                                                                                                                                                                                            | (This cell is empty in the original document)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |