

**Correlation of MicroWorlds EX and the
Texas Essential Knowledge and Skills for
Technology Applications
Middle School Grades 6-8**

- 1 **Foundations. The student demonstrates knowledge and appropriate use of hardware components, software programs, and their connections.**
The student is expected to:
 - F. perform basic software application functions including, but not limited to, opening an application program and creating, modifying, printing, and saving documents

- 2 **Foundations. The student uses data input skills appropriate to the task.**
The student is expected to:
 - A. demonstrate proficiency in the use of a variety of input devices such as mouse/track pad, keyboard, microphone, digital camera, printer, scanner, disk/disc, modem, CD-ROM, or joystick;

- 5 **Information acquisition. The student acquires electronic information in a variety of formats, with appropriate supervision.**
The student is expected to:
 - B. use on-line help and other documentation.

- 7 **Solving problems. The student uses appropriate computer-based productivity tools to create and modify solutions to problems.**
The student is expected to:
 - D. demonstrate proficiency in the use of multimedia authoring programs by creating linear or non-linear projects incorporating text, audio, video, and graphics;
 - E. create a document using desktop publishing techniques including, but not limited to, the creation of multi-column or multi-section documents with a variety of text-wrapped frame formats;
 - F. differentiate between and demonstrate the appropriate use of a variety of graphic tools found in draw and paint applications;
 - G. integrate two or more productivity tools into a document including, but not limited to, tables, charts and graphs, graphics from paint or draw programs, and mail merge;
 - H. use interactive virtual environments, appropriate to level, such as virtual reality or simulations

- 8 **Solving problems. The student uses research skills and electronic communication, with appropriate supervision, to create new knowledge.**
The student is expected to:
- A. participate with electronic communities as a learner, initiator, contributor, and teacher/mentor;
 - B. complete tasks using technological collaboration such as sharing information through on-line communications;
 - C. use groupware, collaborative software, and productivity tools to create products;
 - D. use technology in self-directed activities by sharing products for defined audiences; and
 - E. integrate acquired technology applications skills, strategies, and use of the word processor, database, spreadsheet, telecommunications, draw, paint, and utility programs into the foundation and enrichment curricula.
- 10 **Communication. The student formats digital information for appropriate and effective communication.**
The student is expected to:
- A. use productivity tools to create effective document files for defined audiences such as slide shows, posters, multimedia presentations, newsletters, brochures, or reports;
 - D. demonstrate appropriate use of fonts, styles, and sizes, as well as effective use of graphics and page design to effectively communicate; and
- 11 **Communication. The student delivers the product electronically in a variety of media, with appropriate supervision.**
The student is expected to:
- A. publish information in a variety of ways including, but not limited to, printed copy, monitor display, Internet documents, and video;
 - B. design and create interdisciplinary multimedia presentations for defined audiences including audio, video, text, and graphics; and
 - C. use telecommunication tools for publishing such as Internet browsers, video conferencing, or distance learning.