



## KSDE Guidelines for 8<sup>th</sup> Grade Technology Literacy Assessment (9-26-06)

### Enhancing Education Through Technology Requirement

NCLB, Title II, D Goal 2-A

To assist every student in crossing the digital divide by ensuring that every student is technologically literate by the time the student finishes the eighth grade, regardless of the student's race, ethnicity, gender, family income, geographic location, or disability.

### SETDA Definition

**Technology literacy** is the ability to responsibly use appropriate technology to communicate, solve problems, and access, manage, integrate, evaluate, and create information to improve learning in all subject areas and to acquire lifelong knowledge and skills in the 21st century.

### Recommended Curriculum

KSDE developed state technology standards (located with in the Kansas Model Curricular Standards for Library Media & Technology) in 2006 based primarily on the NETS for Students. It is recommended that districts use this document as the primary resource and adapt it for developing benchmarks, indicators, and instructional activities at each grade at the local level.

### Assessment Methods

The method of assessment used is determined at the local level. The assessment method can be:

- knowledge based (test)
- grades in a required 8th grade course
- performance based (checklist/rubric)
- e-portfolio based (collected over a period of years)
- project based
- combination of any of the above

These assessment methods can be used with each standard individually or clustered where it is appropriate. They can be done in content areas or they can be done as a stand-alone effort.

### Reporting Requirements

Districts report technology literacy results on the Local Consolidated Plan Annual Report due July 1, 2007.

The report requires the following information:

1. Provide number of 8<sup>th</sup> graders evaluated in each district for technology literacy at the end of 8th grade. Report the number found technologically proficient and number found not technologically proficient.
2. Check off the type of assessment method used.

### Resources

<http://virtualksde.com/> includes a three-part podcast in the KSDE Cast section on the *Draft 8<sup>th</sup> Grade Technology Literacy Assessment*. This podcast can be used to explain the

1. assessment process. Although the title says “draft” the information presented is accurate.
2. Draft Kansas Model Curricular Standards for Library Media & Technology will be posted on the KSDE website in late October. They can be used to assist in determining which standards to include in the 8<sup>th</sup> Grade Technology Literacy Assessment.
3. Dr. Mirah Dow from the School of Library and Information Management at Emporia State University has developed an Information and Technology Assessment. There are three forms:
  - o 8<sup>th</sup> Grade Information & Technology Literacy Product/Project Contract
  - o Information and Technology Evaluation Rubric
  - o Annual Analysis of 8<sup>th</sup> Grade Students Information and Technology Literacy Form
 Dr. Dow’s resources are located at: <http://slim.emporia.edu/kschool/home.htm>
4. ISTE has collaborated with Microsoft in the development of the NETS Online Technology Assessment to help teachers measure student skills in using software applications and help measure student progress toward meeting the National Educational Technology Standards for Students (NETS•S). These formative assessment resources were developed to help support educators of middle school students as they worked towards the 8th grade technology literacy requirement. <http://www.iste.org/resources/asmt/msiste>
5. The Technology Literacy Proficiency Checklist for K–8 students was developed in response to a request from the state members of the North Central Regional Technology in Education Consortium (NCRTEC) at Learning Point Associates, founded as the North Central Regional Educational Laboratory (NCREL). This checklist is linked from the Iowa DOE, Keystone AEA Technology Services website at: [http://www.aea8.k12.ia.us/documents/u\\_031404213821.pdf](http://www.aea8.k12.ia.us/documents/u_031404213821.pdf)
6. Project-Based assessment resources: George Lucas Educational Foundation Assessment Resources <http://www.edutopia.org/modules/Assessment/index.php>
7. TechYES Program at: <http://genyes.com/programs/techyes/>
8. ISTE Student NETS Technology Standards at: <http://cnets.iste.org/index.shtml>
9. 21<sup>st</sup> Century Skills documentation at: <http://www.21stcenturyskills.org/>
10. 21<sup>st</sup> Century Skills Audit Tool, developed by Sioux Falls School District in South Dakota <http://workshop.altec.org/TRCeval/documents/21skills.doc>
11. Tools Measuring Technology Implementation in the Classroom: Levels of Technology Implementation (LoTi ) <http://www.loticonnection.com/>
12. Online Rubrics and Rubric Tools: RubiStar [www.altec.org](http://www.altec.org)
13. Online Surveys and Survey Tools:
  - o ProfilerPro - <http://profilerpro.com/>
  - o Survey Monkey - <http://surveymonkey.com/>
  - o Zoomerang - <http://info.zoomerang.com/>
14. Michigan State Department of Education has a checklist using teacher observation, portfolio evidence, formal assessment and technology literacy class as an assessment method. <http://www.techplan.org/supresources.html> or <http://www.techplan.org/METS2005Checklist.doc>

For Additional Information Contact

Library Media Specialists make inquiries to Dr. Jackie Lakin at [jlakin@ksde.org](mailto:jlakin@ksde.org)

School Technologists make inquiries to Melinda Stanley at [mstanley@ksde.org](mailto:mstanley@ksde.org)