

Technology Use Lesson: Observation Tool -

This tool is designed for use by site administrators, mentor teachers, peer coaches, or other educators when observing a lesson to determine a teacher's level of skill, or stage of use in incorporating technology use into the lesson.

Based upon the Apple Classrooms of Tomorrow research published in 1996, the levels include:

Entry:	Learn the basics of using the new technology.
Adoption:	Use new technology to support traditional instruction. Focus is often on personal use or teaching basic technology skills to students.
Adaptation:	Integrate new technology into traditional classroom practice. Here teachers often focus on increased student productivity and engagement by using word processors, spreadsheets, and graphics tools.
Appropriation:	Focus on cooperative, project-based, and interdisciplinary work—incorporating the technology as needed and as one of many tools.
Invention:	Discover new uses for technology tools, for example, developing spreadsheet macros for teaching algebra or designing projects that combine multiple technologies.

It's important to understand that even the most experienced users progress through these levels each time they learn to work with a new technology.

By using this tool, observers can help the teacher identify not only the current stage of use, but to review exemplars for extending the teacher's level of skill to the next stage.

We recommend that prior to conducting an observation, the teacher and the observer meet to review the lesson plan and discuss the teacher's goals and objectives for the lesson. The Pre-observation form located at http://rtecexchange.edgateway.net/cs/rtecp/view/rtec_files/117 is an excellent tool for this purpose.

During the actual lesson, use the coversheet to describe the setting for the lesson. Pages two and three are designed to be easy-to-use checklists. After the lesson, review the checkmarks to see where they are clustered. This will help identify the current stage of use.

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Learning Environment	Observed
Students have no interaction with other students	
Students collaborate with peers	
Students are provided opportunities to use higher order thinking skills	
Technology access is adequate to meet lesson objectives	
Students with special needs have access to appropriate hardware and software	

Student Technology Use	Observed
Technology skills expected of students meet or exceed district standards	
Technology used is appropriate for student's skill level	
Technology is used as a tool to learn from (i.e., drill and practice, tutorials)	
Technology is used as a tool to learn with (i.e., communication, publication or research)	

Lesson Implementation	Observed	*note below	Level
Technology use is not clearly related to lesson objectives		O	Adoption
The lesson is focused on learning a technology skill		I	Adoption
Traditional assessment methods including paper and pencil tests are used to measure student outcomes.		A	Adoption
Technology use is somewhat related to lesson objectives		O	Adaptation
Technology use is optional and not necessary to meet lesson objectives		O	Adaptation
Technology use is simplistic and all students are assigned the same activity		I	Adaptation
Technology is used for drill and practice, tutorials, or as a free time activity		I	Adaptation
Productivity tools and courseware are used to augment the lesson		I	Adaptation
Technology is used with little or no management problems		I	Adaptation
Student outcomes are often measured using teacher developed rubrics or traditional assessments		A	Adaptation

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Lesson Implementation	Observed	*note below	Level
Technology skills are learned in the context of the lesson objectives.		O	Appropriation
Would not be possible to meet lesson objectives without the use of technology.		O	Appropriation
Students use technology to engage in authentic tasks.		I	Appropriation
The lesson requires students to use tools that engage them in higher order thinking skills such as simulations, mind mapping, and mathematical modeling.		I	Appropriation
Student outcomes are measured using rubrics developed in collaboration with students.		A	Appropriation
Lesson objectives including technology use encourage student choice and planning to complete assignments.		O	Invention
Lesson objectives are designed to provide students with opportunities to demonstrate learning outcomes using technology.		O	Invention
Lesson objectives permit students to initiate technology use for learning and assessment.		O	Invention
Technology use provides opportunities to expand student interactions beyond the classroom.		I	Invention
Students are encouraged to seek new uses of hardware and software for learning.		I	Invention
Student products are assessed using student developed rubrics and portfolios.		A	Invention
Comments:			

* Indicates if statement is related to **O**bjective, **I**nstruction or **A**ssessment