A Resource Supporting the Full Integration of Technology in Arizona Schools

What is the Arizona Technology Integration Matrix?

The Technology Integration Matrix (TIM) illustrates how teachers can use technology to enhance learning for K-12 students. The TIM incorporates five interdependent characteristics of meaningful learning environments: active, collaborative, constructive, authentic, and goal directed (Jonassen, Howland, Moore, & Marra, 2003). The TIM associates five levels of technology integration (i.e., entry, adoption, adaptation, infusion, and transformation) with each of the five characteristics of meaningful learning environments. Together, the five levels of technology integration and the five characteristics of meaningful learning environments create a matrix of 25 cells.

What is in each cell?

Within each cell of the Matrix one will find two lessons plans with a short video of the lesson. Each lesson is designed to show the integration of technology in instruction and classrooms as well as the Arizona Educational Technology Standards.

How should the Technology Integration Matrix be used?

The TIM is designed to assist schools and districts in evaluating the level of technology integration in classrooms and to provide teachers with models of how technology can be integrated throughout instruction in meaningful ways.

What is the history behind the tool?

The Technology Integration Matrix (TIM) was developed through ARRA funds to help provide a resource of technology integration in the classroom. First produced by the Florida Center for Instructional Technology at the University of South Florida, it has been adapted to show technology integration throughout the K-12 teaching environment. Basic technology skills and integration of technology into the curriculum go hand-in-hand to form teacher technology literacy and student learning. Encouraging the seamless use of technology in all curriculum areas and promoting technology is essential in today's 21st Century Classroom. The Arizona TIM can help support the full integration of technology in Arizona's schools.

What are the next steps for developments with the Matrix?

We know that technology changes at a rapid pace. It is our intent that the TIM be a living document with additional lesson plans and videos added in the coming months and years. Districts and schools will be encouraged to use the TIM in the context of technology integration goal development and associated professional development planning. As we engage learners, technology needs to be woven throughout the curriculum so it becomes an integral part of the daily learning. Through regular classroom observation and targeted professional development activities, it is our hope that over time teachers will be able to effectively monitor their progress through a continuum of technology integration levels.

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