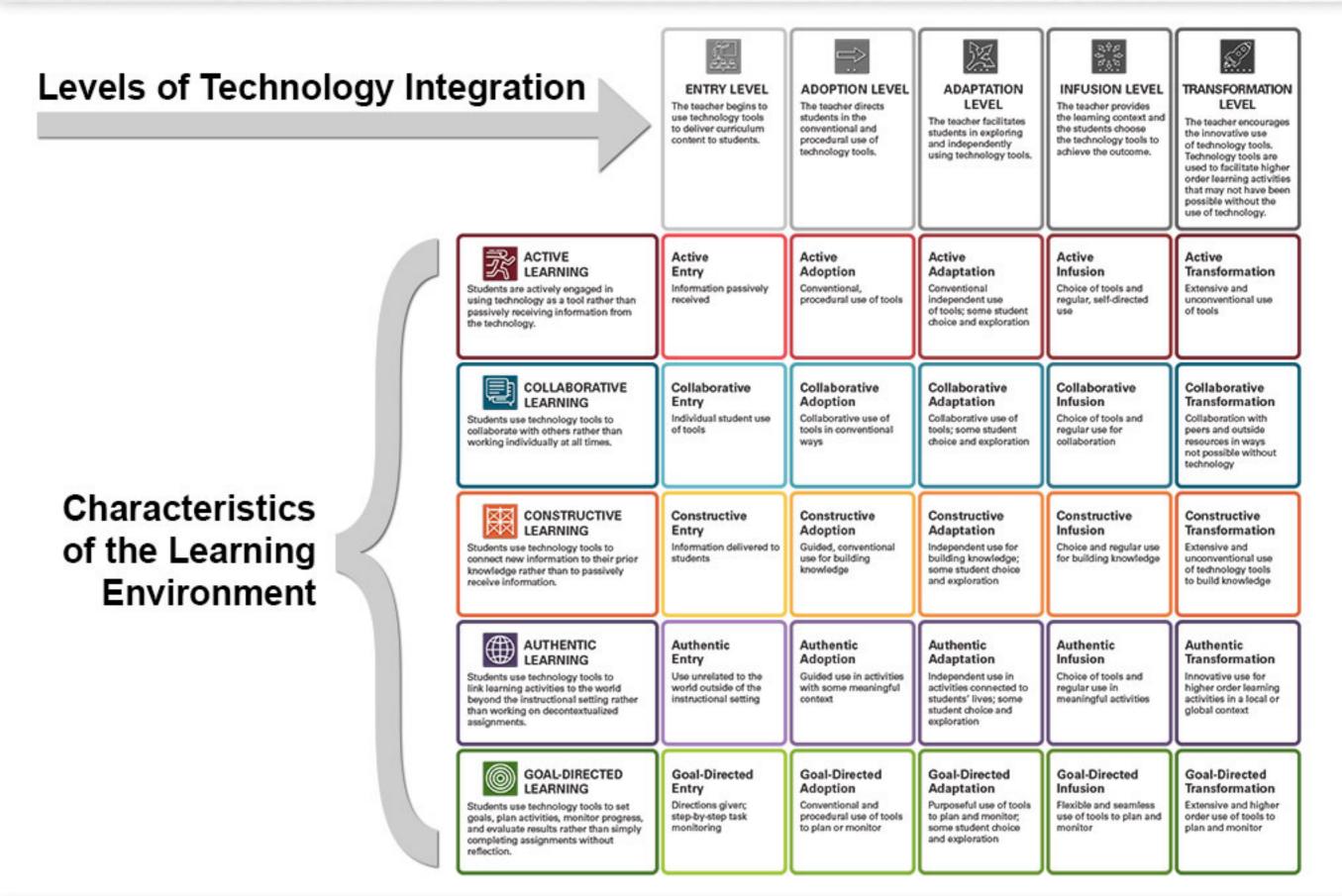
The Technology 2007 Integration Matrix: Introducing the Five Levels of Tech Integration

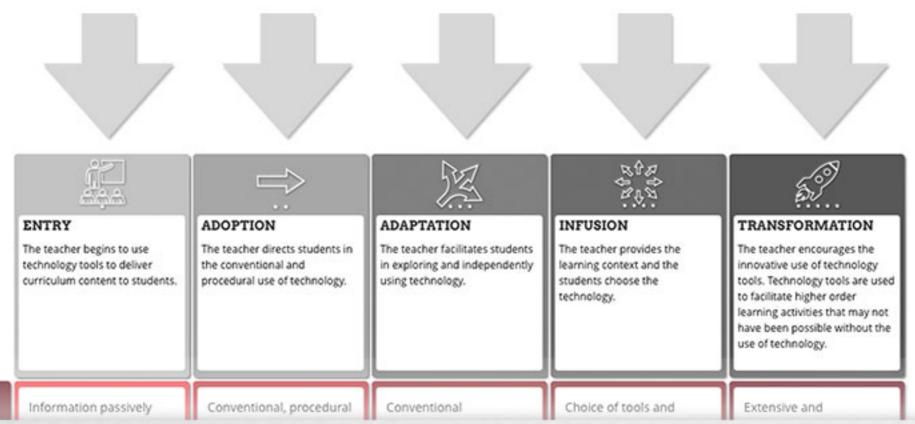
THE TECHNOLOGY INTEGRATION MATRIX



Five Levels of Technology Integration

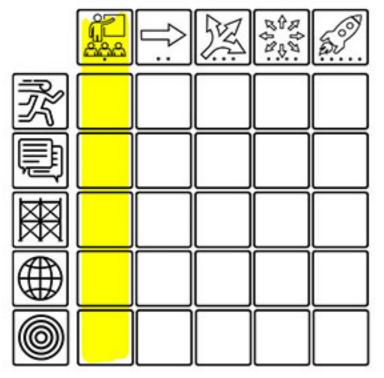
Each column of the Technology Integration Matrix represents one of the five levels:

- Entry Level
- Adoption Level
- Adaptation Level
- Infusion Level
- Transformation Level



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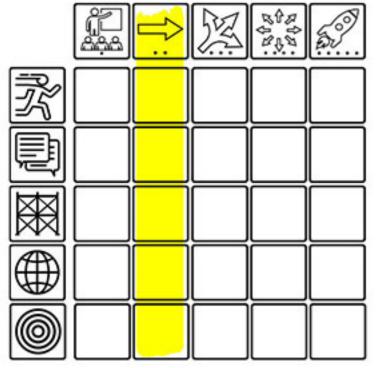
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Levels of Technology Integration ENTRY

The teacher begins to use technology tools to deliver curriculum content to students

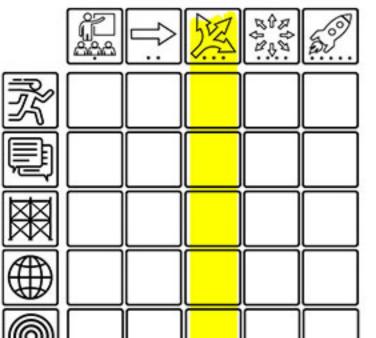
At the Entry level, typically the teacher uses technology to deliver curriculum content to students. Entry level activities may include listening to or watching content delivered through technology or working on activities designed to build fluency with basic facts or skills, such as drill-and-practice exercises. In a lesson that includes technology use at the Entry level, the students may not have direct access to the technology. Decisions about how and when to use technology tools as well as which tools to use are made by the teacher.



Levels of Technology Integration **ADOPTION**

The teacher directs students in the conventional and procedural use of technology tools.

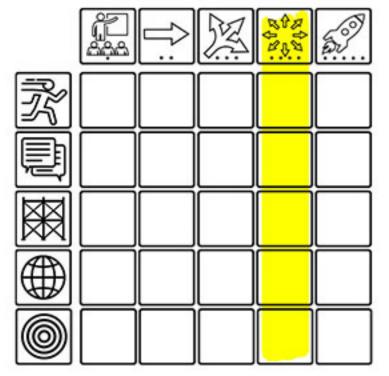
At the Adoption level, technology tools are used in conventional ways. The teacher makes decisions about which technology tool to use and when and how to use it. Students exposure to individual technology tools may be limited to single types of tasks that involve a procedural understanding.



Levels of Technology Integration **ADAPTATION**

The teacher facilitates students in exploring and independently using technology tools.

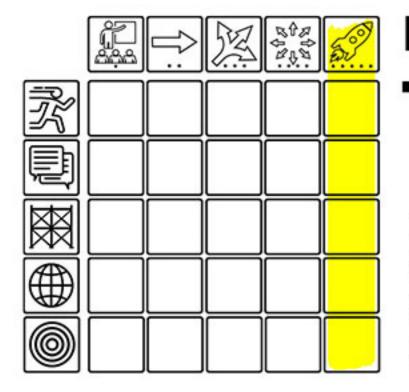
At the Adaptation level, the teacher incorporates technology tools as an integral part of the lesson. While the teacher makes most decisions about technology use, the teacher guides the students in the independent use of technology tools. Students have a greater familiarity with the use of technology tools and have a more conceptual understanding of the tools than students at the Adoption level. They are able to work without direct procedural instruction from the teacher and begin to explore different ways of using the technology tools.



Levels of Technology Integration INFUSION

The teacher provides the learning context and the students choose the technology tools to achieve the outcome.

At the Infusion level, a range of different technology tools are integrated flexibly and seamlessly into teaching and learning. Technology is available in sufficient quantities to meet the needs of all students. Students are able to make informed decisions about when and how to use different tools. The instructional focus is on student learning and not on the technology tools themselves. For this reason, Infusion level work typically occurs after teachers and students have experience with a particular technology tool. The teacher guides students to make decisions about when and how to use technology.



Levels of Technology Integration TRANSFORMATION

The teacher encourages the innovative use of technology tools. Technology tools are used to facilitate higher-order learning activities that may not have been possible without the use of technology.

At the Transformation level, students use technology tools flexibly to achieve specific learning outcomes. The students have a conceptual understanding of the tools coupled with extensive practical knowledge about their use. Students apply that understanding and knowledge, and students may extend the use of technology tools. They are encouraged to use technology tools in unconventional ways and are self-directed in combining the use of various tools. The teacher serves as a guide, mentor, and model in the use of technology. At this level, technology tools are often used to facilitate higher order learning activities that would not otherwise have been possible, or would have been difficult to accomplish without the use of technology.

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