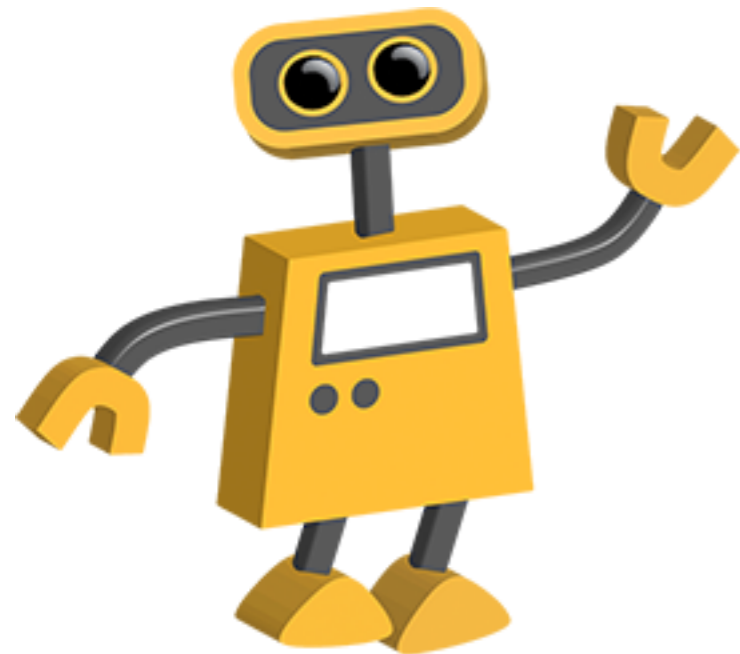





# Technology Supporting Teaching

The Technology Integration Matrix Observation Tool





# What is the TIM-O?

**TIM-O** =  Technology Integration Matrix  
Classroom Observation Tool

The TIM-O is a digital tool to help describe technology use within a lesson in terms of teaching and learning.



# What is the TIM-O?

	Entry	Adoption	Adaptation	Infusion	Transformation
Active	Information passively received	Conventional, procedural use of tools	Conventional independent use of tools; some student choice and exploration	Choice of tools and regular, self-directed use	Extensive and unconventional use of tools
Collaborative	Individual student use of tools	Collaborative use of tools in conventional ways	Collaborative use of tools; some student choice and exploration	Choice of tools and regular use for collaboration	Collaboration with peers and outside resources in ways not possible without technology
Constructive	Information delivered to students	Guided, conventional use for building knowledge	Independent use for building knowledge; some student choice and exploration	Choice and regular use for building knowledge	Extensive and unconventional use of technology tools to build knowledge
Authentic	Use unrelated to the world outside of the instructional setting	Guided use in activities with some meaningful context	Independent use in activities connected to students' lives; some student choice and exploration	Choice of tools and regular use in meaningful activities	Innovative use for higher order learning activities in a local or global context
Goal-Directed	Directions given, step-by-step task monitoring	Conventional and procedural use of tools to plan or monitor	Purposeful use of tools to plan and monitor; some student choice and exploration	Flexible and seamless use of tools to plan and monitor	Extensive and higher order use of tools to plan and monitor



The TIM-O is a digital tool to help describe technology use within a lesson in terms of teaching and learning.

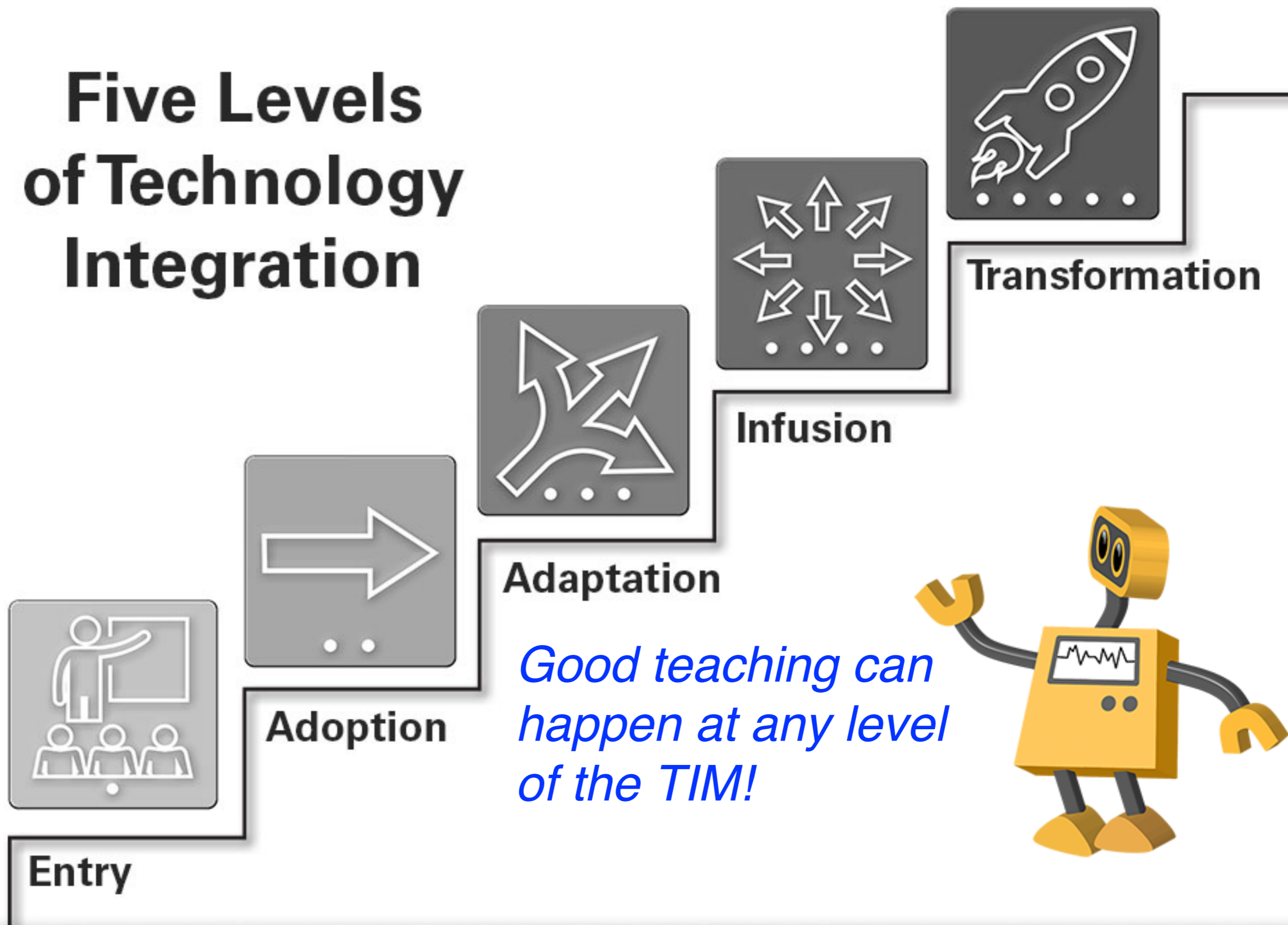


# What is the TIM-O?

- TIM-O helps you place the strategies in a lesson on the Technology Integration Matrix—the [TIM](#).
- [The TIM](#) is based on the idea that **good teaching** and **engaged learning** should drive technology use in the classroom, not the other way around.

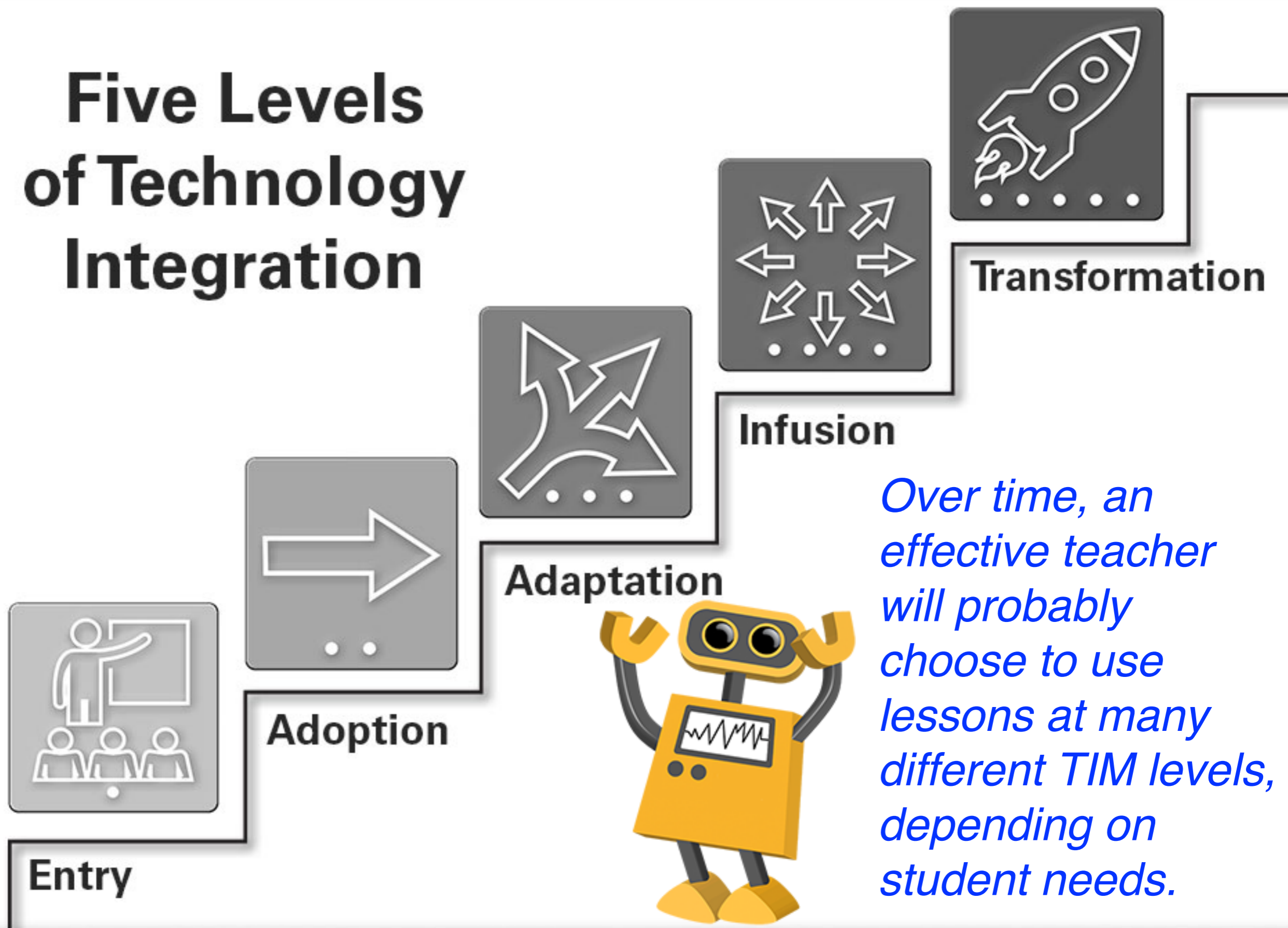


# Five Levels of Technology Integration





# Five Levels of Technology Integration

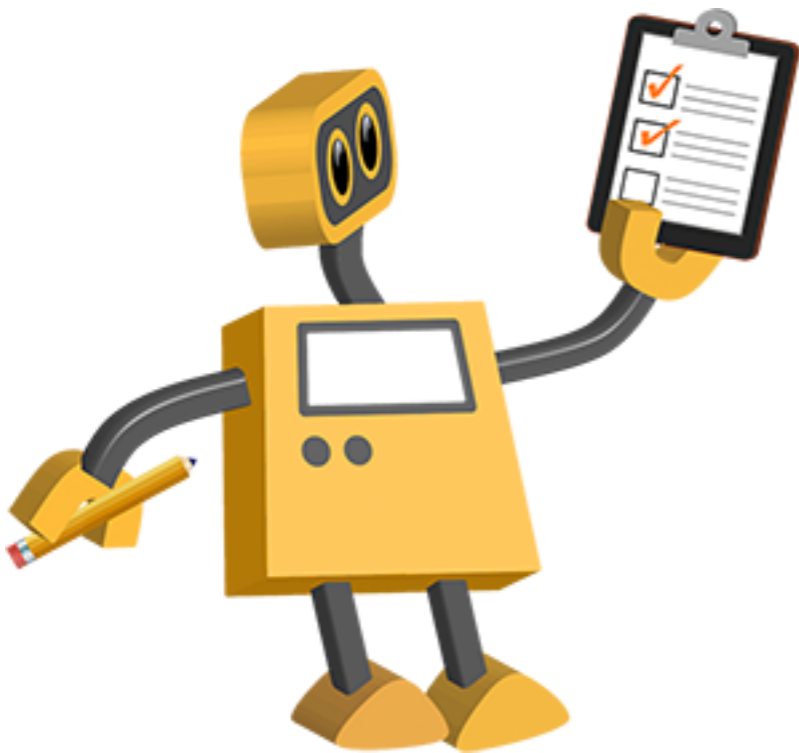


*Over time, an effective teacher will probably choose to use lessons at many different TIM levels, depending on student needs.*



# What is the TIM-O?

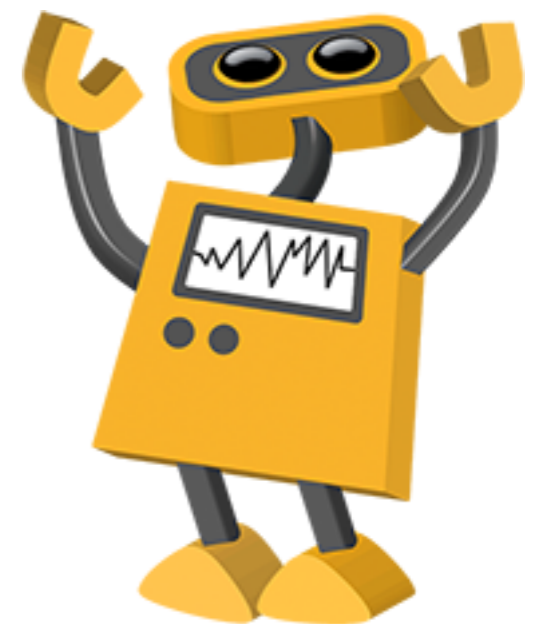
- The TIM-O provides:
  - consistent description of technology integration levels in a lesson.
  - a secure system to document detailed notes about a lesson, including the option for observer feedback for the teacher.





# Before We Begin...

- Remember:
  - TIM levels are not an evaluation of the quality of a lesson or the ability of the teacher. TIM levels describe pedagogical strategies used with regard to technology.
  - You can't "fail" a TIM Observation!

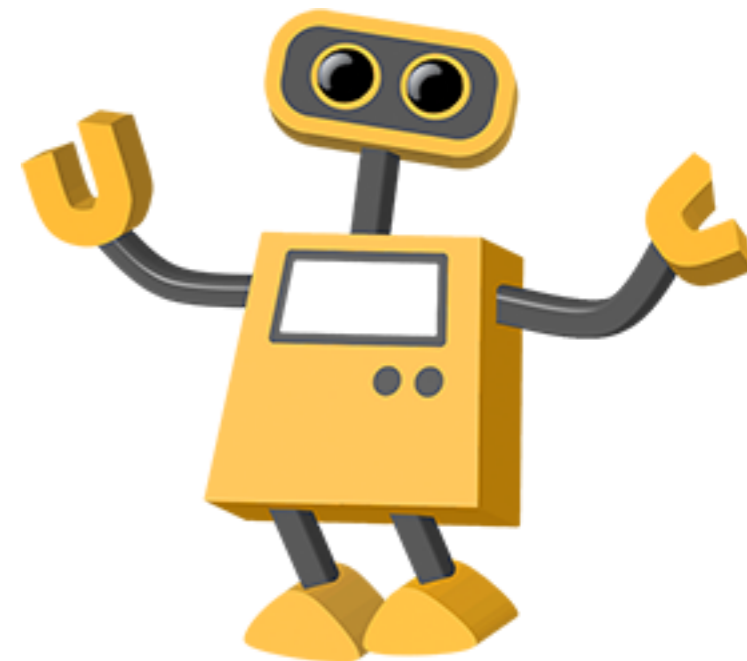






# Before We Begin...

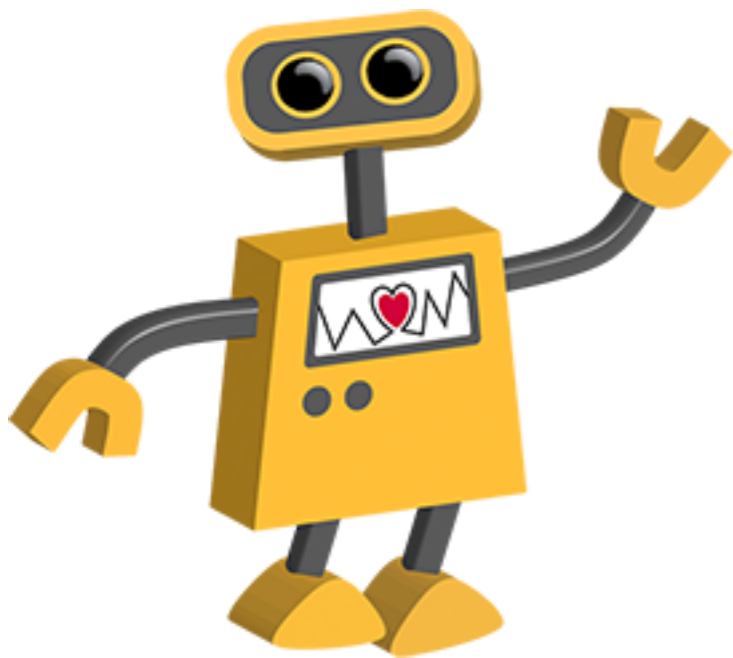
- Remember:
  - A TIM Observation will provide feedback from the observer about the pedagogical strategies applied with classroom technology.
  - This feedback can help guide professional development choices.





# Before We Begin...

- Remember:
  - A TIM Observation describes the lesson, not the teacher. An excellent teacher who can do TRANSFORMATION level lessons may choose to do an ENTRY level lesson if that's what the students need.





# CREDITS

- “Levels with Titles” image from TIM Resources, used under free classroom license. Retrieved from <http://fcit.usf.edu/matrix/project/levels-with-titles-slide/>
- Yellow Robot images from the Tech Cartoons section of the TIM Resources collection. Retrieved from [fcit.usf.edu/matrix/resources/tech-cartoons/](http://fcit.usf.edu/matrix/resources/tech-cartoons/)
- This presentation is the copyrighted work of the Florida Center for Instructional Technology at the University of South Florida. It may be used in any non-commercial, educational project without special permission.