SAMR Tech Talks

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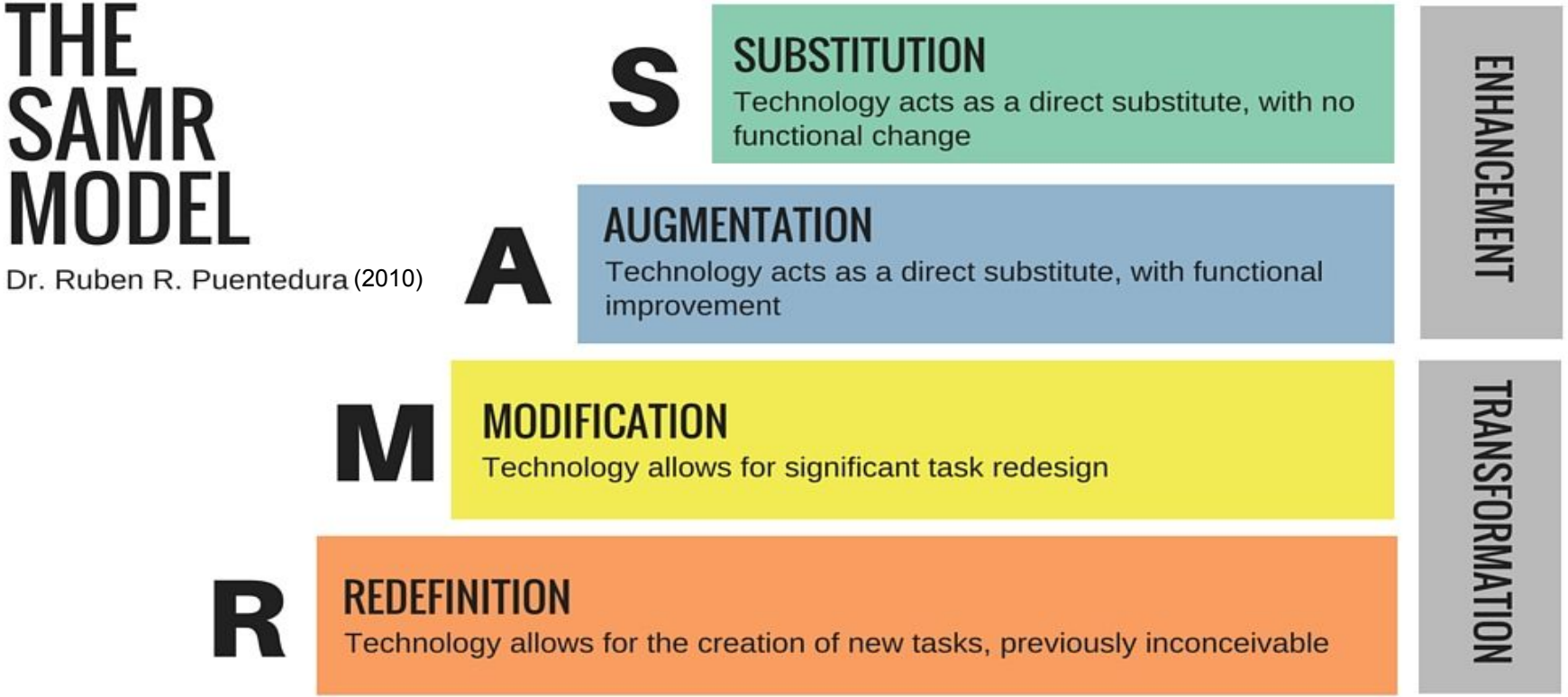

What are we doing?

- Introduction & Objective
- Why use a technology integration framework?
- Why use the SAMR model?
- Breaking down S-A-M-R.
- How do I use it? Applications.
- Advice, “Goodies”, Evaluation, and Questions.

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What are we learning?

“After this training, teachers will be able to apply the four levels of the SAMR model to integrate technology in their classroom.”

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Design a kitchen without a framework?

White Wooden Kitchen Cabinet by Jean van der Meulen

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Why Use a Tech Integration Framework?

Integrated technology should be used to "transform learning experiences with the goal of providing greater equity and accessibility" (US Office of Educational Technology, 2017).

- Research-based.
- Creativity and autonomy within structure.
- Accommodates diverse approaches.

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Why Use the SAMR Model?

- Lower levels (i.e. Substitution and Augmentation) build a foundation for the upper levels (i.e. Modification and Redefinition).
- Measures **depth** of technology use ~ Bloom's DOK.
- **Goals** are supported by **tools**.
- Promotes **digital literacy**.

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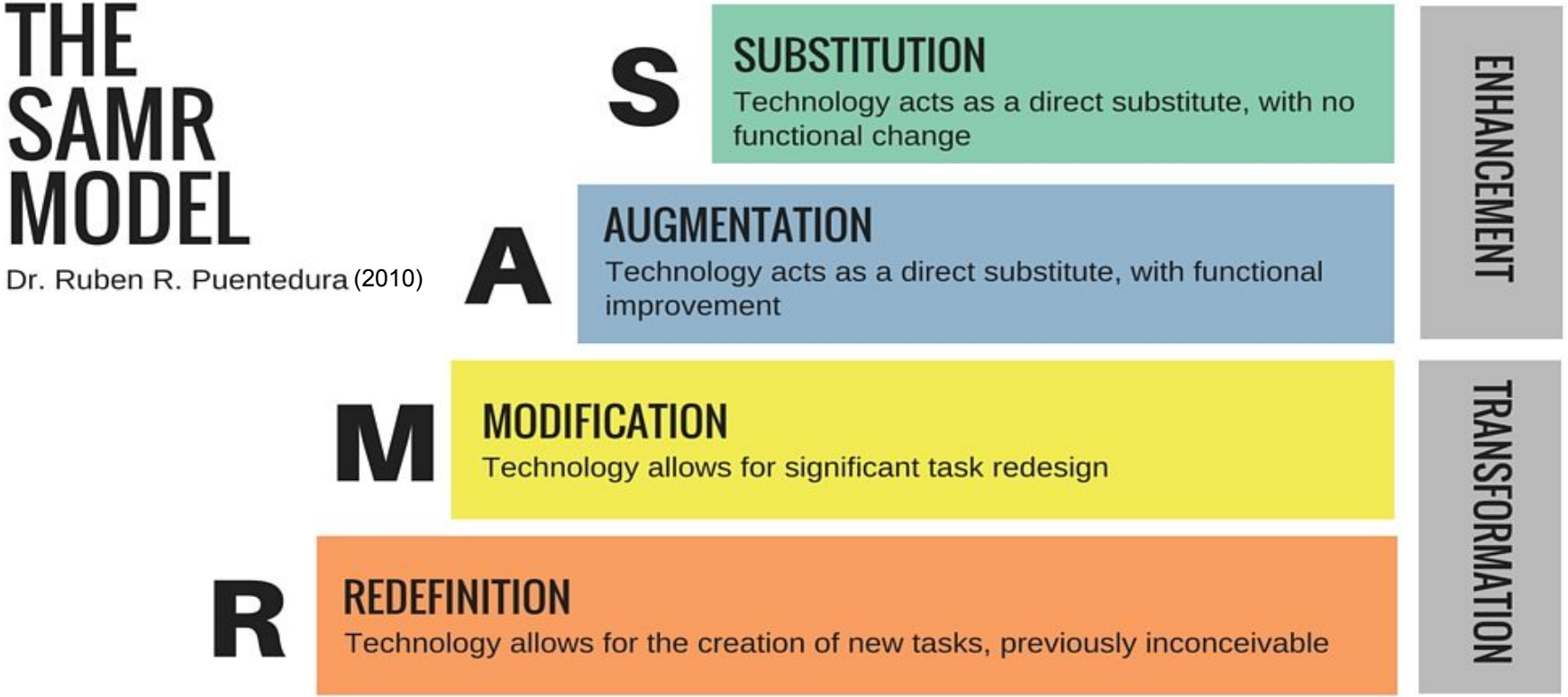

Breaking down S-A-M-R

- **S**ubstitution - makes life easier without changes.
- **A**ugmentation - **features** activate student-centered learning.
- **M**odification - generates innovative and/or cooperative work.
- **R**edefinition - creates real world connections and **polished** student products.

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Questions and Transitions

- Substitution:
  - What is gained by replacing the older technology with the new?
- Substitution to Augmentation
  - Has an improvement been added to the task process that could not be accomplished before?
  - How does this feature contribute to the design?

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Questions and Transitions

- **Augmentation to Modification**
  - How is the original task being modified?
  - Does this modification depend upon the new technology?
  - How does this modification contribute to the design?
- Modification to Redefinition
  - What is the new task?
  - Is any portion of the original task retained?
  - How does it contribute to the design?

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SAMR Applications - Enhance pt. 1

- Substitution
  - Engagement → Docs to take notes.
  - Assessment → Forms to take a survey or quiz.
  - Accessibility → Classroom to access lectures online.

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SAMR Applications - Enhance pt. 2

- Augmentation
  - Show learning → Use Slides to **present information** with images, videos, and links.
  - Assess → Use Quizzizz to deliver a formative assessment.
  - Feedback → Use **comment feature** on Doc/Slides/Sheets etc.

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SAMR Applications - Transform pt. 1

- Modification
  - Develop culture of learning → students discuss a topic using online videos on Flipgrid.
  - Fostering creativity → students build a digital book of what they learned using Bookcreator.

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SAMR Applications - Transform pt. 2

- Redefinition
  - Connecting to the world → build a publicly shared portfolio using websites.
  - Creating a life long learner → create a self-directed learning experience using Slides.

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Starting Advice

- Start small.
- Let them play.
- Anticipate support.
- Be patient.
- Focus on purpose.

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SAMR Goodies

- See How SAMR Works in Real Classrooms by Lynn Erickson
- 8 Examples of Transforming Lessons Through the SAMR Cycle by Kelly Walsh
- The SAMR Model Explained (With 15 Practical Examples) by Jackson Best
- How SAMR and Tech Can Help Teachers Truly Transform Assessment by Lindsay Portnay
- A Powerful Model for Understanding Good Tech Integration by Youki Terada
- Ruben R. Puentedura's Blog.

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Other Tech Integration Goodies pt. 1

- TPACK Framework by Punya Mishra and Matthew J. Koehler of Michigan State University - analyzes the interaction between technological, pedagogical, and content knowledge.
- Technology Integration Matrix (TIM) by Florida Center for Instructional Technology - compares 5 characteristics of meaningful learning environments to 5 levels of tech integration.
- 2017 National Education Technology Plan by the US Office of Technology Education - national policy document.

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Other Tech Integration Goodies pt. 2

- ISTE Standards for Students by the International Society for Technology in Education (ISTE) - standards are available for educators, administrators, and more.
- PIC-RAT Framework by Dr. Royce Kimmons - analyzes the intersection between students' and the teacher's role in technology.
- Triple E Framework by Liz Kolb - measures to what degree technology is being integrated into a lesson.

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Thank you!

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