SAMR: A Contextualized Introduction

Ruben R. Puente, Ph.D.
Substitution
Tech acts as a direct tool substitute, with no functional change

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Modification
Tech allows for significant task redesign

Redefinition
Tech allows for the creation of new tasks, previously inconceivable

Enhancement

Transformation

Ruben R. Puentedura, *As We May Teach: Educational Technology, From Theory Into Practice*. (2009)
**Substitution**
Tech acts as a direct tool substitute, with no functional change.

**Augmentation**
Tech acts as a direct tool substitute, with functional improvement.

**Modification**
Tech allows for significant task redesign.

**Redefinition**
Tech allows for the creation of new tasks, previously inconceivable.
**Redefinition**
Tech allows for the creation of new tasks, previously inconceivable.

**Modification**
Tech allows for significant task redesign.

**Augmentation**
Tech acts as a direct tool substitute, with functional improvement.

**Substitution**
Tech acts as a direct tool substitute, with no functional change.
Substitution
Tech acts as a direct tool substitute, with no functional change

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Modification
Tech allows for significant task redesign

Redefinition
Tech allows for the creation of new tasks, previously inconceivable
**Redefinition**
Tech allows for the creation of new tasks, previously inconceivable

**Modification**
Tech allows for significant task redesign

**Augmentation**
Tech acts as a direct tool substitute, with functional improvement

**Substitution**
Tech acts as a direct tool substitute, with no functional change
Redefinition
Tech allows for the creation of new tasks, previously inconceivable

Modification
Tech allows for significant task redesign

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Substitution
Tech acts as a direct tool substitute, with no functional change

Enhancement

Transformation
Search Sites

- **The Basics:**
  - Google
  - Bing
  - blekko
  - Wikipedia

- **Subject Directories:**
  - ipl2
  - INFOMINE

- **Specialized Focus:**
  - Google Scholar
  - Google Books

- **Media Search:**
  - Flickr
  - YouTube

- **Data Search:**
  - Wolfram Alpha

- **OER Resources:**
  - OER Commons
  - OpenCourseWare Consortium

- **Crowdsourcing:**
  - Delicious
  - Diigo
  - Twitter
  - Quora

- **Professional Organizations:**
  - Hastac
  - NCTE
  - NCTM
  - NSTA
  - NCSS
Substitution
Tech acts as a direct tool substitute, with no functional change

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Modification
Tech allows for significant task redesign

Redefinition
Tech allows for the creation of new tasks, previously inconceivable
Substitution
Tech acts as a direct tool substitute, with no functional change

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Modification
Tech allows for significant task redesign

Redefinition
Tech allows for the creation of new tasks, previously inconceivable
Substitution
Tech acts as a direct tool substitute, with no functional change

Modification
Tech allows for significant task redesign

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Redefinition
Tech allows for the creation of new tasks, previously inconceivable
Redefinition
Tech allows for the creation of new tasks, previously inconceivable

Modification
Tech allows for significant task redesign

Augmentation
Tech acts as a direct tool substitute, with functional improvement

Substitution
Tech acts as a direct tool substitute, with no functional change