

Tech Integration

SAMR Model

SAMR Model

- **Helps teachers integrate technology**
- **Utilizes technology to transform learning experiences**
- **Four levels of technology integration**

Substitution

Augmentation

Modification

Redefinition

Developed by Dr. Ruben Puentedura - <http://www.hippasus.com>

Online Handouts

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Webclass.org web-based handouts and resources

Home Keyboarding iPad Basics Digital Storytelling Podcasting Webinars

Why online handouts

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The Adobe PDF format is used for all online handouts, permitting fast download time plus accessibility on both Windows and MAC platforms when using [Adobe Reader](#). Many portable media devices also permit PDF downloads, especially the Apple iPad.

PDF Online Handouts

PDF Handouts

- Comic Life**
Download within EPISD
Download from Plasq
- Diacritical Marks**
- EasyTech**
- Eduphoria login**
Lesson Plan attachment [4:02]
Quick Start
Teacher Guide
- Excel 2007**
- iPad Apps by Content Area**
Language Arts
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Science
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- Technology Integration**
SAMR App Examples
SAMR Model

Webclass provides

1. Workshop handouts available anytime, anywhere using mobile device permitting PDF downloads.

Substitution

Computer technology used to perform same task as was done before the use of computers

Examples

- Students print worksheet – finish – pass in
- eBooks used in reading groups

Functional change

- No gain from using computer technology
- Teacher-guided lessons – paper handouts

iPad apps

Addition Flash Cards

Math Flash Cards

Tell Time!! – learn time

Cursive Writing – writing practice

Merriam-Webster – dictionary

Pages – word processing

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Online Handouts

SAMR Model – Substitution

1. Math Flash Cards - Addition - **FREE**
<https://itunes.apple.com/us/app/math-flash-cards-+./id443630334?mt=8>
2. Math Flash Cards – **FREE**
https://itunes.apple.com/us/app/math-flash-cards-*/id443710054?mt=8
3. Tell Time!! – **FREE**
<https://itunes.apple.com/us/app/tell-time-!-!/id513539655?mt=8>
4. Cursive Writing – **FREE**
<https://itunes.apple.com/us/app/cursive-writing/id612497395?mt=8>
5. Merriam-Webster Dictionary HD – **FREE**
<https://itunes.apple.com/us/app/merriam-webster-dictionary/id438477986?mt=8>
6. Pages – **\$9.99**
<https://itunes.apple.com/us/app/pages/id361309726?mt=8>
7. Educreations Interactive Whiteboard – **FREE**
<https://itunes.apple.com/us/app/educreations-interactive-whiteboard/id478617061?mt=8>

Augmentation

Computer technology offers a more effective tool to perform common tasks

Examples

- Students take quiz using Google Form
- eBooks: Read-to-Me with dictionary functions

Functional change

- Students receive instant feedback
- Increased student engagement

iPad apps

Boo – instant correction

Pen and Paper – organizing notes

Memory Games – correction

Skip Counting – visual support

Skitch – digital annotation

Splash Maths – different reps

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Webclass.org web-based handouts and resources

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Online Handouts

SAMR Model – Augmentation

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<https://itunes.apple.com/us/app/storykit/id329374595?mt=8>
9. Angry Boo - **FREE**
<https://itunes.apple.com/us/app/angry-boo/id482570120?mt=8>
10. Skitch – **FREE**
<https://itunes.apple.com/us/app/skitch/id490505997?mt=8>
11. Rounding Whole Numbers – **FREE**
<https://itunes.apple.com/us/app/rounding-whole-numbers./id500845084?mt=8>
12. Pen and Paper – **\$1.99**
<https://itunes.apple.com/us/app/pen-and-paper/id425893570?mt=8>
13. Kindergarten Math: Worksheets App for Numbers, Counting, Addition, Subtraction – **\$9.99**
<https://itunes.apple.com/us/app/splash-math-kindergarten-fun/id600426787?mt=8>
14. 1st Grade Math: Worksheets App for Numbers, Counting, Addition, Subtraction – **FREE**
<https://itunes.apple.com/us/app/1st-grade-math-splash-math/id463469532?mt=8>
15. 2nd Grade Math: Worksheets App for Numbers, Counting, Addition, Subtraction – **FREE**
<https://itunes.apple.com/us/app/2nd-grade-math-splash-math/id463471155?mt=8>
16. 3rd Grade Math: Worksheets App for Numbers, Counting, Addition, Subtraction – **\$9.99**
<https://itunes.apple.com/us/app/3rd-grade-math-splash-math/id432105525?mt=8>

Modification

Computer technology enhances and transforms traditional use of technology in the classroom

Examples

- Audio recording of essay with original music
- Camera function records oral reading and skits

Functional change

- Students take a personal stake in learning
- Peer feedback – rewriting and recording

iPad apps

Draw 4 Free – feedback

iBooks – audio and eBooks

Camera+ – video recording

Strip Designer – customize photos

Wikihood – student maps

Free Books – 23,469 classics

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SAMR Model

Online Handouts

SAMR Model – Modification

19. Draw 4 Free - **FREE**
<https://itunes.apple.com/us/app/draw-4-free/id364252041?mt=8>
20. Draw Free for iPad – **FREE**
<https://itunes.apple.com/us/app/draw-free-for-ipad/id366755447?mt=8>
21. IELTS Writing Model and Sample – **FREE**
<https://itunes.apple.com/us/app/ielts-writing-model-sample/id638538148?mt=8>
22. Wikihood – **FREE**
<https://itunes.apple.com/us/app/wikihood/id317776221?mt=8>
23. iBooks – **FREE**
<https://itunes.apple.com/us/app/ibooks/id364709193?mt=8>
24. Strip Designer – **\$2.99**
<https://itunes.apple.com/us/app/strip-designer/id314780738?mt=8>
25. Free Books (23,469 classics to go) – **FREE**
<https://itunes.apple.com/us/app/free-books-23-469-classics/id364612911?mt=8>
26. Camera+ – **\$1.99**
<https://itunes.apple.com/us/app/camera+/id329670577?mt=8>

Redefinition

Computer technology allows for creating new tasks that are inconceivable without technology

Examples

- Class creates documentary video
- iBooks Author for media-rich ePub books

Functional change

- Student-centered learning
- Collaboration using technology tools + Internet

iPad apps

Skype – FaceTime

Evernote – record reading

Reel Director – reflections

Puppet Pals HD – student writing

Touch-n-Learn – build social skills

Strip Designer – customize photos

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Online Handouts

SAMR Model – Redefinition

27. Skype for iPad - **FREE**
<https://itunes.apple.com/us/app/skype-for-ipad/id442012681?mt=8>
28. Evernote - **FREE**
<https://itunes.apple.com/us/app/evernote/id281796108?mt=8>
29. Touch and Learn - Emotions – **FREE**
<https://itunes.apple.com/us/app/touch-and-learn-emotions/id451685022?mt=8>
30. Puppet Pals HD – **FREE**
<https://itunes.apple.com/us/app/puppet-pals-hd/id342076546?mt=8>
31. Explain Everything – **\$2.99**
<https://itunes.apple.com/us/app/explain-everything/id431493086?mt=8>
32. Bill Nye – The Science Guy – **FREE**
<https://itunes.apple.com/us/app/bill-nye-the-science-guy/id652548755?mt=8>

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