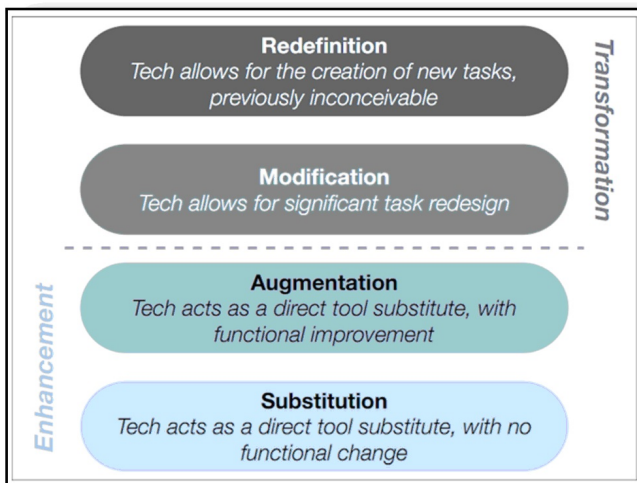


# Going 121's SAMR Set System

SAMR Sets are lessons from each of four content areas developed into four new versions intended for teachers to select from for application to their new 1:1 classrooms. Each of the four "SAMR Set" versions provide increasing levels of student-centeredness and 1:1-based technology integration.

Providing a range of versions give teachers choice in how far to stretch in their integration of technology and their adoption of student-centered 1;1 classrooms. Lesson applications that are not too far from current practice are more likely to succeed. To assist with mastering the technology, interactive tutorials train teachers to develop lesson materials using Docs, Sheets, Forms, Classroom, and other Google tools. Tutorials follow a demo => train => assess sequence, giving teachers numeric results and recommendations.



## What is SAMR?

The SAMR "ladder" model considers increasingly transformative impacts of four approaches to technology integration, from the lowest rung, where technology is substituted for paper with no impact on instruction, to the top rung, where teaching and learning are redefined by what technology makes possible in the classroom.

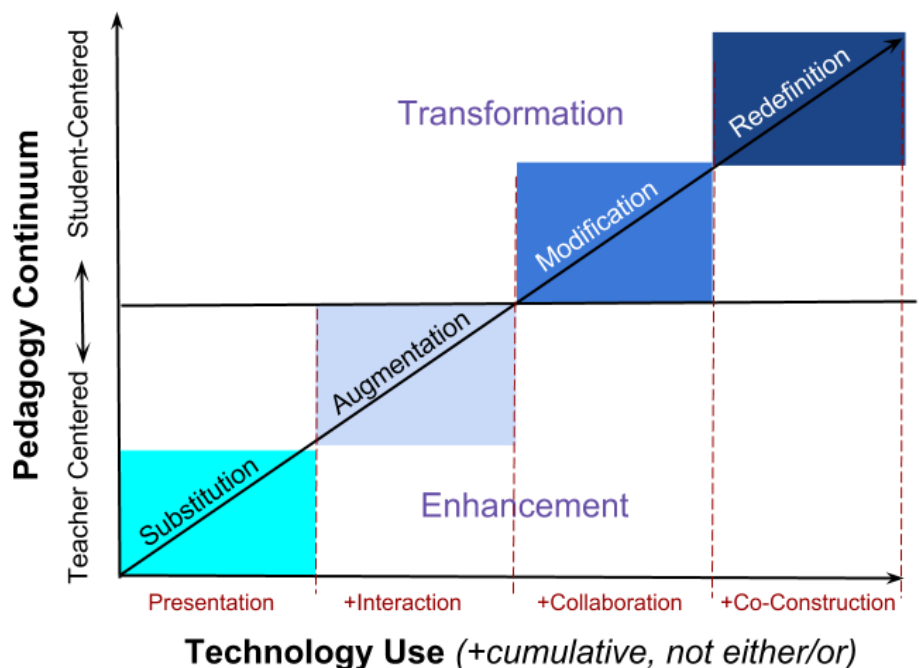
Though well-known, SAMR alone has [limited applicability](#) and can be confusing to teachers. For more on SAMR, view [Kathy Schrock's guide](#).

## Our SAMR Approach

This chart about our SAMR approach was first shared [here](#). It brings student-centered pedagogy to the SAMR stages in a more explicit way, favoring learning tasks that require increasing student-centeredness. Tasks proceed from interaction to collaboration, and last to co-construction, all strengths of Google Apps for Education.

To apply this, we create four versions of each submitted content area lesson, matched with each SAMR level, so that teachers test-driving lessons for student-centered 1:1 classrooms can apply lessons that are within their grasp. View our [online tour of the system](#).

## SAMR for Student-Centered Learning



## Example SAMR Set

Explore this [SAMR Set](#) example online. The five SAMR lesson levels proceed down the page, followed by Standards, Strategy and Tapes, aspects common to all versions. By providing a sequence of four versions, we offer teachers a choice based on their readiness for both technology integration and student-centered learning.

A [detailed tour](#) of the modification level lesson of the lesson is online, followed by tutorials. This the first of the Slope set that truly requires a 1:1 classroom. Rather than practicing math problems, students play a game which involves think-pair-share groupings to motivate learning.

The screenshot shows a web interface for a lesson titled "Slope of a Line". It features a vertical list of lesson levels: Original Lesson, Substitution, Augmentation, Modification, Redefinition, Standards, Strategy, and Tags. Below this list are two columns of links. The "Tutorials:" column includes links for "The SAMR Set System", "Navigation Help", "Modification Lesson Tour", "New Google Forms", "Bell-Ringer Form", "Flubaroo for Bell Ringer Forms", "Notes Template for Google Classroom", and "Random Line Graph Sheet". The "Files:" column includes links for "For Entry Lesson", "For Adoption Lesson", and "For Adaptation Lesson".

## Modification Tour in Brief

1. **Formative Assessment:** A Bell-Ringer applies a Google Form to test for prior knowledge, and the Flubaroo add-on provides immediate results to inform end-of-lesson reinforcement.
2. **Notes Organizer for Video Analysis:** a Google Docs notes template supports students making sense of identified content goals from the video, which they submit via Google Classroom.
3. **Interactive Demonstration:** An Excel spreadsheet and its Google Sheets version are used to teach students to identify aspects of linear equations while preparing them for learning game participation.
4. **“What’s My Line?” Game:** Last, students play a collaborative game to apply the material, accessing interactive graphs from their portables and using a Google Form to enter and view responses.

## Related Tutorials

SAMR sets may be picked for tutorial development to help teachers recreate the materials to suit their own classrooms. Tutorials from the Modification level line slope lesson provide a DEMO => TRAIN => ASSESS sequence for learning to create each of the four elements described above: the Bell-Ringer with Google Forms, the Notes Organizer within Google Classroom, the Interactive Sheet Graph, and the Game Materials. After watching the demonstration, clicking through the controls on the training, and attempting to complete the task without hints using the performance assessment, teachers are given a score and recommendations.

## Personal Learning Portal

Within [My.Going121.com](#), teachers who have purchased accounts can bookmark resources they have worked with, chart their own learning paths, and connect with teachers in other Going121 schools who are using the same resources to compare notes and products. Within each school, teachers who are taking the online course vote for new SAMR Sets to be made into tutorials to fit their own content areas.