

Website Recommendation - Sustainability Improves Student Learning (SISL)

<https://serc.carleton.edu/sisl/activities.html>

Sustainability Improves Student Learning (SISL) unites professional societies in an effort to prepare students for environmental challenges to come. The website currently contains 274 activities linking various disciplines – all based on the theme of sustainability.

These are organized by subject and a particular sustainability topic (see Resource Table below). For example, selecting Mathematics along with Human Impact & Footprint, produced ten choices, with titles like these:

- "Population Growth, Ecological Footprints, and Overshoot"
- "How Big is Your Breakfast Footprint"
- "Revenue Neutral Carbon Taxes"

Levels of student expertise and sophistication required range from skills at the developmental level to those of an upper division collegian. This site is a great source of inspiration for integrative assignments between a variety of disciplines.

Resource Table

Subject	Sustainability Content
<ul style="list-style-type: none">• American Studies 2 matches• Anthropology 7 matches• Biology 30 matches• Business 3 matches• Chemistry 25 matches• Computer Science 2 matches• Economics 11 matches• Education 8 matches• Engineering 14 matches• English 30 matches• Environmental Science 178 matches• Fine Arts 3 matches• Geography 13 matches• Geoscience 107 matches• Health Sciences 1 match human health topics• History 4 matches• Mathematics 31 matches• Physics 4 matches• Political Science 4 matches• Psychology 4 matches• Sociology 17 matches• Women's and Gender Studies 1 match	<ul style="list-style-type: none">• Civil Society & Governance 7 matches• Climate Change 27 matches• Cultures & Religions 24 matches• Cycles & Systems 10 matches• Design & Planning 8 matches• Ecosystem Health 49 matches• Energy 19 matches• Ethics & Values 13 matches• Food Systems & Agriculture 17 matches• Future Studies & Visioning 1 match• Human Impact & Footprint 38 matches• Human Health & Well-being 19 matches• Lifestyles & Consumption 29 matches• Natural Resources 18 matches• Pollution & Waste 31 matches• Sense of Place 37 matches• Social & Environmental Justice 43 matches• Sustainability Concepts & Practices 52 matches• Water & Watersheds 29 matches

Website Recommendation - RPM Task Library

<http://www.wamap.org/projects/index.php?>

The Rethinking Precollege Mathematics (RPM) Task Library is a compilation of mathematical tasks suitable for developmental and lower division mathematics courses. It was compiled to facilitate more active, contextual material for early math courses. It is not an "integrative assignments" focused resource, but with appropriate selections of parameters, there are many good ideas for student activities that link mathematics to other disciplines.

Access:

You'll need a Username and Password to login: Use **OCL** in both spaces (caps sensitive)

Selecting For Integrative Assignments:

The top bar contains search parameters. Initially they are mostly set to display **All** of the tasks in the library. Change the "Contextual task?" option *from* "All" *to* "Yes" and you'll get tasks that the developer believed are imbedded in some "real-life" application, *i.e.* might relate to another discipline.

Note that you can also specify:

- 1) The "Level" of math required (from PreAlgebra through Intermediate Algebra or Other), and
- 2) The amount of time required. Usually the 30 minutes or longer times will be the most productive for kind of work we seek.

Tasks are listed by title below the search parameter bar, most current submissions first.. A click on any Column Title in the display re-sorts on that category.

Format of each Task

To get generic information about a task and to see resources, **Click on a Task Title**. Towards the end of the information page is an item called "Files". Here are the one or more files that relate to the task. Clicking on a file opens it and allows you to make a copy. Most are open course library (OCL) materials, so you're welcome to use, or modify them as you wish. Please credit the original developer whenever reproduced, or modified for your own use.

Files may contain answer sheets, samples of student work, or assessment suggestions.