

Integrated Technical Projects Boosting Math and Science Rigor

*Looking for ways to **integrate STEM** across the clusters?*

*Searching for **project-based learning** that is **career relevant**?*

Curriculum Projects Ready for Classroom Use

STEM Transitions is a project led by the Center for Occupational Research and Development (CORD), funded by the U.S. Department of Education's Office of Vocational and Adult Ed, and conducted through a cooperative agreement with the League for Innovation in the Community College. At the heart of the project are six Science, Technology, Engineering, and Mathematics (STEM) career clusters that provide the context for integrated teaching materials emphasizing math, science, and technical content at the community college level.

CORD, in partnership with a team of 40 community college faculty from across the country, has developed over 60 integrated curriculum projects for use in math, science, and technical courses in six STEM-related clusters, including:

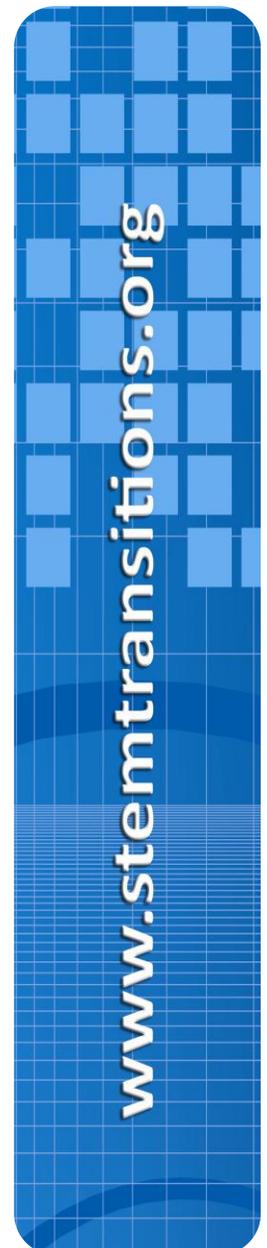
- **Health Science**
- **Information Technology**
- **Manufacturing**
- **Transportation, Distribution, and Logistics**
- **Science, Technology, Engineering, and Mathematics (STEM)**
- **Agriculture, Food, and Natural Resources**

Everything You Need to Get Started

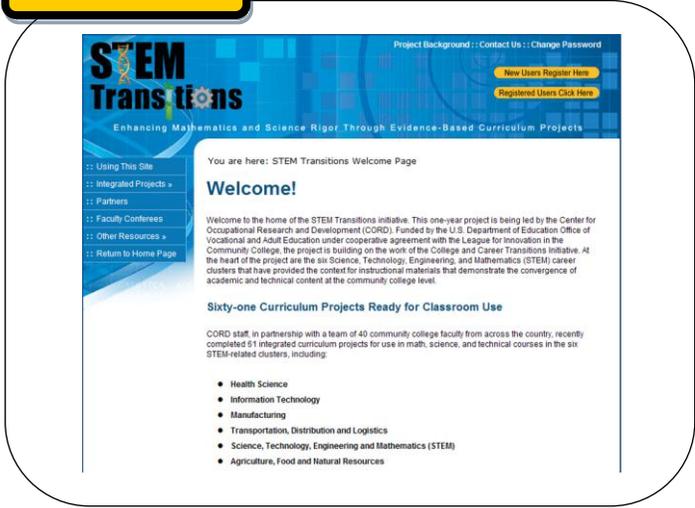
The integrated projects are FREE to faculty through the STEM Transitions website (www.stemtransitions.org) and offer self-contained teaching materials to help boost both the academic and career-related skills of students. Projects include:

- Standards-based content to enrich existing courses;
- Integrated math and science instruction within the context of a technical discipline;
- Contextual scenarios, collaborative activities, and authentic assessments adaptable for multiple levels; and
- All the necessary components for implementation, from equipment lists and student handouts, to assessments and web-based resource links.

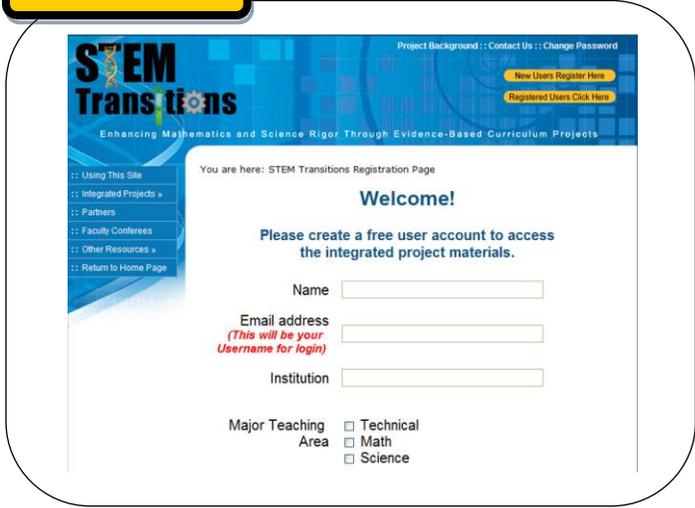
Turn the page to see how easy it is to incorporate STEM Transitions projects in your classes today...



STEP 1:



STEP 2:



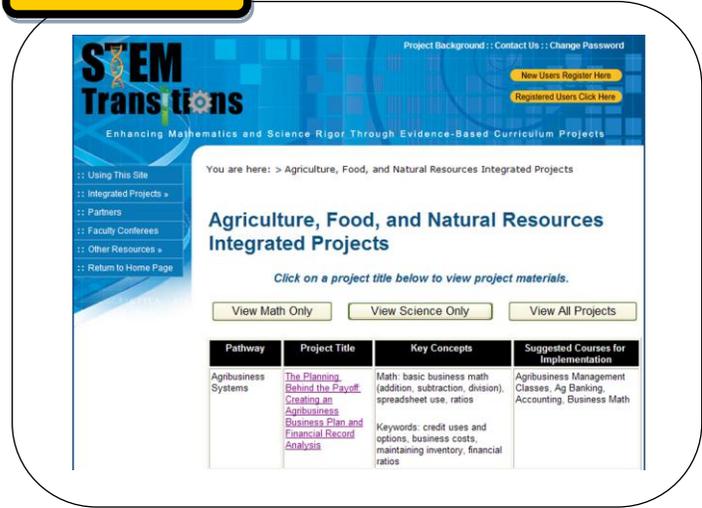
All STEM Transitions resources are accessible online:

- **61 Integrated Projects** are ready for classroom use in math, science, and technical courses in six career clusters.
- **Other STEM-related Resources** from nationally recognized initiatives are annotated and conveniently organized by cluster.

STEM Transitions projects are available to faculty who have created a FREE user account. To get started, visit <http://www.stemtransitions.org>:

1. Click on the “new users register here” button.
2. Complete the new user registration form.
3. Check your email for your assigned password.
4. Login to your account and begin browsing.

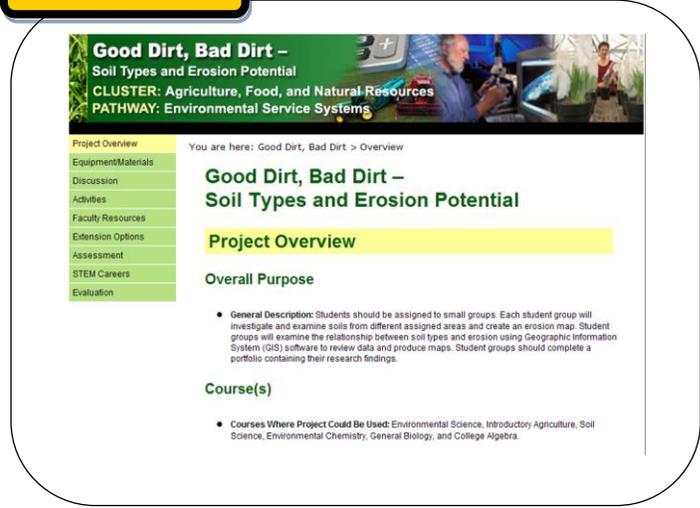
STEP 3:



STEM Transitions integrated projects are organized by career cluster:

- Select your cluster of interest.
- Review career pathway focus areas, project titles, math and science concepts addressed, and suggested courses for implementation.
- Sort by math, science, or all project titles.

STEP 4:



STEM Transitions offers flexible content:

- Use a project in its entirety or as a resource from which to extract a variety of teaching materials to enrich existing curriculum.
- Native file formats allow customization of handouts and assessments.
- Many of the projects can be easily modified for use at the high school level.