STEM Matrix and Activity Index



Science Technology Engineering Math learning that integrates the content and skills of science, technology, engineering and mathematics. In the chart listed below, Innovation activities have been Invention and Innovation Science and Technology Energy Sources, Forms and Transformations Connection to the Real World Problem-solving and Decision-making Tools Communication Tools Historical Perspective correlated to STEM skills. Design and Modeling Personal and Social Perspectives **Productivity Tools** Data Analysis and Science as Inquiry Test, Design and Troubleshooting Use and Maintain Research Tools Numbers and Operations Measurement Probability **Activity Energy for Electricity** Conventional Electric Power Generation Systems, Process and Fuel Sources Conventional Electric Power Generation Pros and Cons Renewable Energy Sources Your State's Electrical Generation Your Local Area Fuel Mix Greenhouse Gas Emissions and Your Local Fuel



Classroom Comfort and School Lighting Audit

History of Electricity and Transmission

Transmission Heat and Temperature

The Smart Grid

Food for Humans

Surveying Electrical Safety
When Lightning Strikes
What's in a Watt?

Westinghouse Versus Edison: AC Versus DC

The Transmission and Distribution Process

STEM education is an approach to teaching and