

TeST Online Career Resources

General Career Exploration Resources

O-NET

<http://online.onetcenter.org/>

Career Cornerstone

<http://careercornerstone.org>

The Sloan Career Cornerstone website provides some career information, profiles, videoclips and advice on educational pathways to specific STEM careers.

CareerInfoNet

www.careerinfonet.org

Gauge your skill levels using the Skills Profiler and the Employability Check-Up tools. These assessments help you learn about your work values and what you think is important about a job.

ISEEK's Online Skills Assessment

www.iseek.org/

Click here to take an online skill assessment that will *rate* your skills. Once you complete the quiz, ISEEK will post occupations that match your skills. From there you can link to more occupational details.

STEM Career Resources

Get STEM

www.getstemmn.org

MN STEM (Minnesota Dept. of Education)

Interactive Web site with featured careers, resources and fun activities to help explore STEM education and careers. www.mn-stem.com

Discover Engineering

<http://www.discoverengineering.org>

Interactive site that provides overview of careers in engineering that may assist students in identifying an emphasis; What's Engineering, Video Activities, What's New in Engineering and Cool Stuff (news clips about up-and-coming engineering research/careers).

Engineer Your Life

www.engineeryourlife.org

TeST Online Career Resources

Really fun interactive site with videos and graphics about engineering that are super appealing to kids.

Explore Health Care Careers

www.explorehealthcareers.org

This site is designed to help older students and adults explore health careers and features a career explorer tool and professional profiles of real people working in health career professions. Many other resources on finding academic programs and funding your education.

The Fun Works (Education Development Center)

Site explores interesting science and math-related careers that are often overlooked.

www.thefunworks.org

InDemand Magazine — STEM (U.S. Dept. of Labor)

Download or read this online magazine that highlights critical skills, post-secondary degrees and in-demand STEM careers.

www.careervoyages.gov/indemandmagazine-stem.cfm

For Teachers

Classroom Activities & Lesson Plans

General STEM

Agriculture Teacher Resources (MN Dept. of Agriculture)

Materials can be integrated into existing subject areas such as social studies, science, environmental education, math and language arts.

www.mda.state.mn.us/kids/maitc/teachresources.htm

DragonflyTV Education Guides (PBS/National Science Teacher's Association)

Activities for topics related to Body and Brain, Earth and Space, Living Things, Matter and Motion, and Technology and Invention.

<http://pbskids.org/dragonflytv/parentsteachers/index.html>

The Fun Works Teachers & Instructors Section (Education Development Center) STEM-related lesson plans, activities, career information and other resources.

www.thefunworks.org (free login required for teacher section)

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NOVA Teacher's Guides by Subject (PBS)

Classroom activities, viewing ideas and interactive resources.

www.pbs.org/wgbh/nova/teachers/resources/subject.html

Try Engineering

Lesson plans that align with education standards to allow teachers and students to apply engineering principles in the classroom.

<http://www.tryengineering.org/lesson.php>

TeachEngineering digital library provides teacher-tested, standards-based engineering content for K-12 teachers to use in science and math classrooms. www.teachengineering.org

Engineering & Technology

Fields of Energy (MN Dept. of Agriculture)

Renewable energy DVD and Teacher Guide (grades 7-10), free downloads.

www.mda.state.mn.us/kids/maitc/fieldsenergy.htm

K-12 Educators Section (Engineering K-12 Center)

Lesson plans, outreach programs for pre-college students and other engineering education

resources. www.engineeringk12.org/educators/default.php

Pre-College Teacher Resources (ASME)

Science and engineering lesson plans and other resources for K-12.

www.asme.org/Education/PreCollege/TeacherResources

Try Engineering

Lesson plans that align with education standards to allow teachers and students to apply engineering principles in the classroom.

<http://www.tryengineering.org/lesson.php>

TeachEngineering digital library provides teacher-tested, standards-based engineering content

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www.teachengineering.org

Mathematics

Math Challenges/Problems/Puzzles (Minnesota Council of Teachers of Mathematics)

Links to online math problems for middle and high schoolers.

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www.mctm.org/challenges.php

Math Resources (Minnesota Council of Teachers of Mathematics)
Comprehensive math forum, math archive, college-level mathematics information servers, and

other resources. www.mctm.org/compsites.php

Math and Science Gateway (Cornell University)

Topic-specific education resources for grades 9-12.

www.tc.cornell.edu/Services/Education/Gateways/Math_and_Science

Sciences

Educator Features and Articles (NASA)

Teaching materials and classroom aides for instructors of grades K-4, 5-8, 9-12 and higher education.

www.nasa.gov/audience/foreducators/index.html

Education Section (National Geographic)

Classroom lessons and activities, news and multimedia resources.

www.nationalgeographic.com/education

Kinetic City

An interactive kid's website sponsored by the American Association for the Advancement of Science (AAAS) <http://www.kineticcity.com/>

Mad Sci Network

FAQs for common science fair topics, Web resources and answers from Ask-a-Scientist. www.madsci.org

National Geographic Kids

Find animal facts, videos, games, blogs and other geography activities.

<http://kids.nationalgeographic.com>

NASA for Students

The space administration has interactive games, podcasts, information about upcoming events and programs, research tools for school assignments, and images from deep space.

www.nasa.gov/audience/forstudents/index.html

Newton's Apple Teacher Guides (PBS)

Science-related class activities listed by topic.

www.newtonsapple.tv/TeacherGuides_alphabet.php

Resources for Teaching and Learning Biology (American Institute of Biological Sciences) Support for teaching General Biology, Nature of Science, Evolution and Science Inquiry for grades K-4, 5-8 and 9-12.

www.aibs.org/education/teaching_resources.html