

# from classes to **can.teen** careers



## areas of science

### Classes to take, subjects to study, careers to consider

Astronomy  
Actuary  
Aerospace Engineering  
Algebra I and II  
Animator  
Appraiser  
Architect  
Banker  
Calculus  
Climate Analyst  
Computer Programming  
Cryptanalyst  
Data Analyst  
Epidemiological Analyst  
Forensic Analyst  
Geography  
Geometry  
GIS and Survey Engineer  
Information Scientist  
IRS Investigator  
Physicist  
Statistician  
Telecommunications  
Trigonometry  
Urban Designer  
and more!

## classes!

### We recommend\*:

#### Math

Algebra I and II, Geometry, Trigonometry, Calculus (Four Years)

#### Science

Biology, Physics, Chemistry (Four Years)

Other science options for the fourth-year requirement and electives include advanced levels of Biology, Chemistry, and Physics, or Ecology, Astronomy, and Earth Sciences.

#### Language Arts

English (Four Years)

Elective courses in this area include Speech/Debate, Communications/Media, and Journalism.

#### Foreign Language

Your choice, based on what your school offers. (Three Years)

#### Other tips

No matter what colleges and majors you're considering, you'll want to show that you're well-rounded, with a wide range of experiences and knowledge. So it's also important to take courses in History/Social Studies, Geography, Computers, Social Sciences (Psychology and Sociology), and the Arts, and to get involved in extracurricular activities that you love. All of these offer skills that will be valuable in your future studies and your chosen career.

You'll also need to do well on your standardized tests (score requirements vary by college), and it's a good idea to take some AP and Honors courses when they're offered.

\* Thanks to Engineer Your Life for their permission to use this research and their support of the Can\*TEEN project.

## cool professional organizations

**Association for Women in Mathematics**

**American Association of University Women**

**National Organization of Minority Architects**

Many of these organizations would love to hear from you, Can\*Teen! Ask your care provider if there are college chapters near you, women who can come speak to your class or school, or simply find out if you can visit where they work, hang out and see what their day as a mathematician is all about.

## from classes to careers continued

### ways to get Green for Your Dreams

#### Art of Problem Solving

Listings of math programs, competitions, and scholarships.

#### MATHCOUNTS

A national enrichment, coaching, and competition program that promotes middle school mathematics achievement through grassroots involvement in every US state and territory.

#### Education Planner

Visit this one-stop career and college planning site.

#### Society for Industrial and Applied Mathematics

Cool math career info, math competitions and contests, posters, tools, math help, and much more.

#### Women in Mathematics Poster

Need inspiration? Download the Women in Mathematics poster from the Canadian Mathematical Society's Krieger-Nelson Prize that recognizes outstanding research by a female mathematician.

### careers

#### Cool Jobs for Girls

Work4Women's gateway to online information about cool career choices for young women.

#### CollegeBoard

Find out how to plan your classes, select your high school courses, and prepare for college.

#### Expanding Your Horizons

Explore websites and resources that will take you to links about careers and women in science, technology, engineering and mathematics.

#### Girls Inc.

Design your future and match it with a career.

#### Girlstart

Start learning, start playing, start working, start your life with lots of resources, links and women mentors.

#### How Do I Decide?

Visit NC State University's link for college majors with lots of career descriptions and resources.

### outside of school

#### We recommend:

Can\*TEEN girls spend time outside of school doing and dreaming in math and science. That means summers and science fairs alike. Visit [www.BrainCake.org](http://www.BrainCake.org) for a national listing of cool programs for girls. You'll also find classes at universities in your area, like Expanding Your Horizons and more. Check out the National Girls Collaborative project or seek out programs at your local girls school.

dreaming in  
math made  
easy with  
scholarships,  
internships,  
and help  
getting a  
great career