

# SCIENCE ED: WHAT STUDENTS WANT

A new survey of American teenagers reveals how we can better engage students in science — both in and out of the classroom.

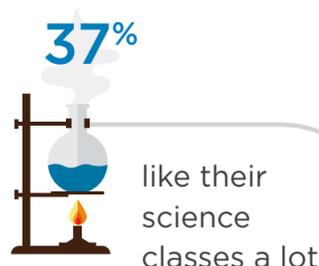
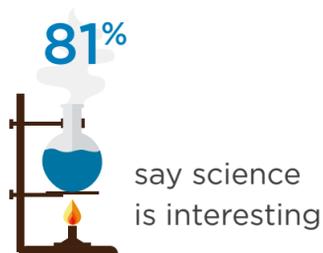


## TEACHERS ARE A TOP INFLUENCE

85% say teachers influence their interest in biology careers

## TEENS WANT MORE ENGAGING SCIENCE CLASSES

Teens overwhelmingly believe science is interesting and relevant, but when it comes to science classes, they're lukewarm



### Teens know what they want

Teens say hands-on, real-world experiences would make biology more interesting, but textbooks prevail

### What Teens Want



**Field trips** are teens' second-most popular teaching method, but they're least common

### What Teens Get



**Textbooks** are teens' least-popular teaching method, but they're second-most common



Teens rank **hands-on lab experiments** as the most engaging teaching method.

## TEENS WANT MORE EXPOSURE OUTSIDE OF SCHOOL



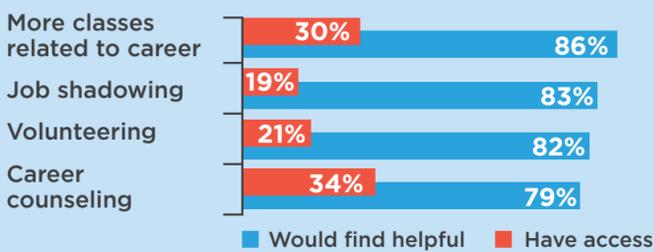
Only **33%** of teens have ever been in a science club, in or out of school



Only **22%** of teens know someone who works in biology



### Teens want, but lack, exploration opportunities

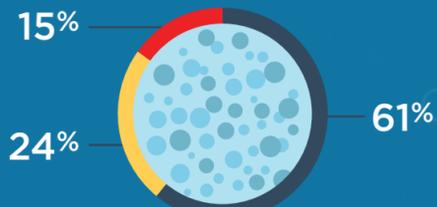


## LOW-INCOME TEENS HAVE FEWER PATHWAYS TO SCIENCE CAREERS

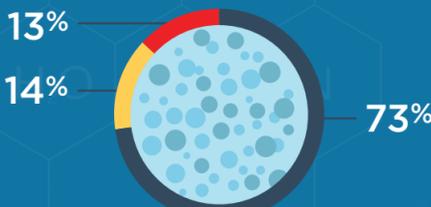
They are less likely to take part in science clubs

■ Currently involved ■ Previously involved ■ Never involved

Higher income



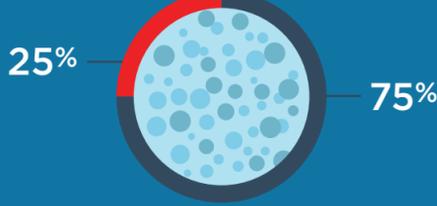
Lower income



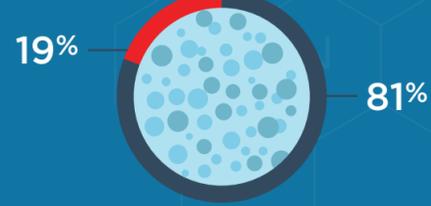
They are less likely to know someone who works in biology

■ Knows someone ■ Doesn't know someone

Higher income



Lower income

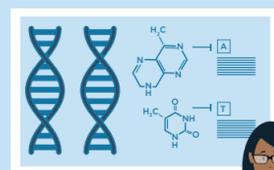
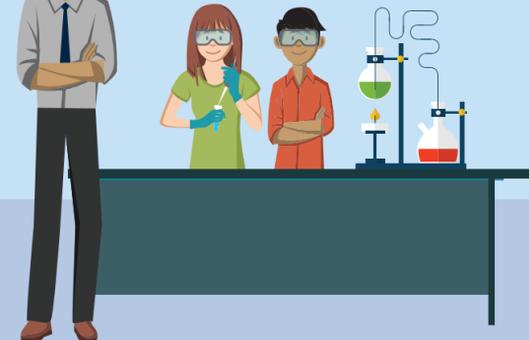
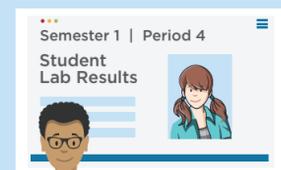


## Solution

Open up pathways to science, both in and out of school

### Make science more engaging for teens

Support teachers with better resources and professional development



To find out how, and to learn more about the survey, visit [www.amgeninspires.com/studentsonstem](http://www.amgeninspires.com/studentsonstem)

Join the conversation at [#TeensTalkSci](https://twitter.com/TeensTalkSci)

The research was commissioned by the Amgen Foundation and Change the Equation, and conducted by C+R Research Services, a national marketing research firm that specializes in youth attitudes and opinions. A representative sample of teens ages 14 to 18 completed 1,569 online surveys in November 2015. Researchers oversampled Black and Latino students to ensure adequate representation. For the full methodology, visit [changetheequation.org/students-on-stem](http://changetheequation.org/students-on-stem)

Brought to you by  
**CHANGE THE EQUATION**

**AMGEN** Foundation  
Inspiring the Scientists of Tomorrow