

pgEd in the Classroom

pged.org



CURRICULUM:

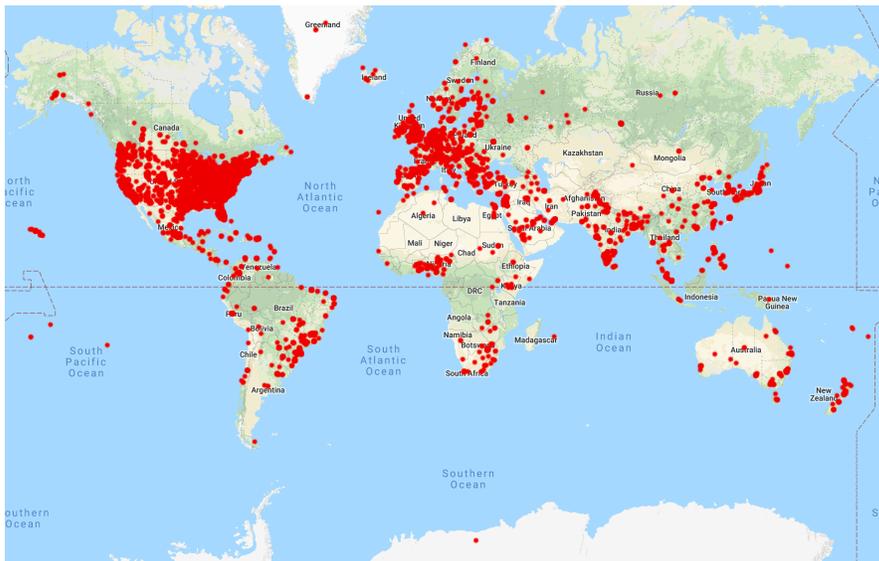
pgEd creates free, interactive lessons that explore the ethical, legal, and social implications of knowing more about one's DNA. We combine accurate scientific content with the real-world impact on people and the choices they may face.

These lessons are relevant to many subjects: biology, genetics, health, social studies, English, law, physical education, psychology, and bioethics.

All of our lesson plans include:

- Background reading for teachers and students
- Engaging classroom activities
- Discussion points
- Assessment tools

***Many lessons also include a slide presentation or video clips.**



pgEd INTERACTIVE:

pgEd's Map-Ed is a quiz platform that asks people from across the globe about key concepts in science, health, and genetics, and then invites them to pin themselves on a world map.

map-ed.org

PROFESSIONAL DEVELOPMENT:

pgEd offers an array of professional development opportunities, including multi-day summer institutes, presentations at local and national conferences, and teacher workshops through the academic year.

pgEd is based in the Department of Genetics at Harvard Medical School. Our school programs are made possible thanks to the support of:



DEPARTMENT OF
Genetics



What subjects does pgEd offer for your classroom?



2019 Update

INTRODUCTION TO PERSONAL GENETICS:

How might new advances in personal genetics impact our lives, our medical decisions and society?



DIRECT-TO-CONSUMER GENETIC TESTING:

What are the potential benefits of and concerns about genetic tests being sold directly to consumers?



PERSONALIZED MEDICINE:

How might our growing access to personalized medicine have an impact on our healthcare?



GENETICS, JOBS AND YOUR RIGHTS:

How can genetic information inform job choice and impact the kinds of jobs a person could perform?



DNA, CRIME AND LAW ENFORCEMENT:

How will advances in DNA technology impact individuals, law enforcement and society?



GENES, ENVIRONMENT AND GENETIC COMPLEXITY:

Aggression in humans: How do genetic factors impact complex human behaviors such as aggression?



SCIENTIFIC THEMES IN PERSONAL GENETICS:

What are the fundamental scientific concepts needed to understand personal genetics?

2019 Update



GENOME EDITING AND CRISPR:

How might new advances in our ability to change genomes impact individuals and society?



GENETICS AND REPRODUCTION:

How does genetic testing of embryos and fetuses offer hope to individuals wishing to have children, and what are the ethical implications of that testing?



ATHLETICS AND GENETICS:

How might personal genetics impact and transform athletics?



PROTECTING ATHLETES WITH GENETIC CONDITIONS:

Sickle cell trait: Whose responsibility is it to ensure that athletes with medical conditions are both safe and treated fairly?

2019 Update



HISTORY, EUGENICS AND GENETICS:

How can we as a society avoid the mistakes of the past to take advantage of the promise of genetics?



USING PRIMARY SOURCES TO EXAMINE THE HISTORY OF EUGENICS:

How can we use primary sources to discover how the eugenics movement became popularized in the United States and Europe?



COMING SOON:

Curricula on genetics and identity, including race and ancestry, sex and gender, intelligence and cognition, and informed consent

Each lesson can stand alone or multiple lessons can be taught as a unit.
Visit pgEd.org/lesson-plans as we regularly update our materials to reflect the rapidly changing field.

