



**Life-long Learning
Begins Here**

Physical Science Resources for Grades 6-12

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GPB Education

www.gpb.org/education
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GPB provides unique, no-cost digital resources and training for all Georgia educators and students.

Georgia Home Classroom

<https://www.gpb.org/education/learn>

GPB and the Georgia Department of Education (GaDOE) offer broadcast programming and accompanying digital resources aligned to GA state standards.

GPB Education YouTube

<https://www.youtube.com/channel/UCOc7hnpoxi-yxukCuSIQzzw>

Many of the videos from our resources are available as playlists.

GPB EDUCATION

LIVE EXPLORATIONS

<https://www.gpb.org/education/liveexplorations>
<https://www.gpb.org/education/liveexplorations/ASO> (Sound)

Take your students on rich and immersive learning experiences without ever leaving the walls of your classroom.

THINGS EXPLAINED

<https://www.gpb.org/education/thingsexplained>
<https://youtu.be/Et78O2Trqqk> (Demolitions)

Tackles all kinds of questions with short, easy-to-understand videos that include vocabulary, experiments, and real-world examples right here in Georgia.

FAST FORWARD STEAM

<http://www.gpb.org/fast-forward>
<https://www.gpb.org/fast-forward/episode/georgia-bureau-of-investigation>

Statewide career series with discussion questions and extension activities.

CHEMISTRY MATTERS

<http://www.gpb.org/chemistry-matters>
<https://www.gpb.org/chemistry-matters/unit-9/reaction-rates> (Unit 9)

Interactive digital course for HS / MS chemistry and physical science with labs, videos, and supportive materials.

PHYSICS IN MOTION

<https://www.gpb.org/physics-in-motion>
<https://www.gpb.org/physics-in-motion/unit-5/generators-and-motors> (Unit 5)

Interactive digital course for HS / MS physics and physical science with labs, videos, and supportive materials.

PBS LearningMedia

gpb.pbslearningmedia.org

PBS LearningMedia offers a searchable repository of digital collections (150K+) based on PBS shows. All resources can be streamed, shared, saved, and curated for an efficient and engaging instructional experience.

Our Favorite STEM Collections

<https://sites.google.com/gapps/gpb.org/socialstudies/stem>

PBS LEARNINGMEDIA

MIT's SCIENCE OUT LOUD (6-12)

<https://gpb.pbslearningmedia.org/collection/mits-science-out-loud/>

MIT takes traditional concepts taught in secondary science, engineering, and math classes and put them in a context completely outside the classroom.

IT'S OKAY TO BE SMART (6-12)

<https://gpb.pbslearningmedia.org/collection/its-okay-to-be-smart/>

From physics and astronomy, to biology and neuroscience, nothing is off-limits in this quirky and creative exploration of all science has to offer.

SCIENCE-U (6-8)

<https://gpb.pbslearningmedia.org/collection/science-u/>

Resources to educate and inspire students, encourage critical thinking, and prepare them to become responsible, skilled and caring citizens.

UNC-TV SCIENCE (6-12)

<https://gpb.pbslearningmedia.org/collection/unctv-science/>

Open educational resources (OERs) and lesson plans that students can perform at home with interactive components and hands-on projects and experiments.

SIM BUCKET SCIENCE SIMULATIONS (6-12)

<https://gpb.pbslearningmedia.org/collection/simbucket/>

These interactive science simulations about how the world works are meant to encourage exploration of a variety of topics in physics, chemistry, and biology.

PHYSICS GIRL (7-12)

<https://gpb.pbslearningmedia.org/collection/physics-girl/>

Explore how the physical world works by using everyday experiments and questions to demonstrate basic (and sometimes complex) scientific ideas.

NOVA: WHAT THE PHYSICS? (9-12)

<https://gpb.pbslearningmedia.org/collection/nvwtp/>

Each episode addresses a surprising or interesting phenomenon related to physics, such as the speed of light, how cell phones work, and quantum mechanics.

DESIGN SQUAD NATION (6-8)

<https://gpb.pbslearningmedia.org/collection/design-squad/>

Resources to help students gain a stronger understanding of the design process and the connection between engineering and the things we use in everyday life.

NOVA (6-12)

<https://gpb.pbslearningmedia.org/collection/nova/>

More than 1500 resources exploring the latest breakthroughs in technology and the deepest mysteries of the natural world to spark and enrich STEM knowledge.

CRASH COURSE (9-12)

<https://gpb.pbslearningmedia.org/collection/crash-course/>

Quick-paced, imaginative videos that inspire and engage learners of all ages.

