**STEM YouTubers (includes museums):**

\*These can be fantastic supplemental resources, or great clips for your classroom.

NASA

They have several series, This Week at NASA (TW@N), etc. They livestream spacewalks on the ISS, release updates on current missions (JWST), etc. If there’s a special event occurring, they will often livestream that as well, e.g. the 5/15/2022 lunar eclipse.

<https://www.youtube.com/c/NASA>

Museum of Science, Boston

Their content is for a variety of ages & covers many topics, including frankly adorable videos for special events such as World Turtle Day.

<https://www.youtube.com/user/bostonmos>

New England Aquarium

They make videos highlighting the various creatures in the aquarium.

<https://www.youtube.com/user/NewEnglandAquarium>

National Museum of Mathematics

They have a “Math Encounters” series, and videos such as celebrating the Pythagorean theorem using the Flatiron Building.

<https://www.youtube.com/user/MuseumOfMathematics>

Science Museum

They focus on inventions, e.g. how to make a bell jar, but they also interview experts on specific topics, e.g. the Apollo missions.

<https://www.youtube.com/user/sciencemuseum>

Mystic Aquarium

They make videos highlighting the various creatures in the aquarium, plus they do relaxing 10-minute “Tranquility Tuesday” videos featuring creatures & music.

<https://www.youtube.com/c/MysticAquarium1>

Biologybyme

Biology videos, some dissections, etc. High school+

<https://www.youtube.com/user/Biologybyme/videos>

Geo Girl

She focuses on geology, with crossover into biology & astronomy. Aimed around high school/college level.

<https://www.youtube.com/c/GEOGIRL>

UTD GSS

UTD Geoscience Studio – they focus on geology, good for probably middle school+. They also do videos linking geology to more human issues, e.g. one video on Asian monsoons focuses on the impact on people in the region.

<https://www.youtube.com/c/UTDGEOSCIENCESTUDIO2021>

PBS Space Time – Our Universe Explained

Cosmology explained, probably best for upper high school+ or especially nerdy middle & high school students.

<https://www.youtube.com/c/pbsspacetime>

Earth Rocks

Aimed at introductory-level college courses, but could be used for some high school courses.

<https://www.youtube.com/c/EarthRocks>

Mark Rober

Ex-NASA engineer known for squirrel ninja obstacle courses. Probably about middle school+, although some of his videos would be a hit for elementary school kids, too. He’s starting a series of kits for kids interested in engineering, Crunchlabs kits.

<https://www.youtube.com/c/MarkRober>

Physics Girl

Diana creates cool videos explaining interesting natural phenomena & laws of physics, etc. Depending on your topic, elementary school+. Interesting for college students, too.

<https://www.youtube.com/c/physicsgirl>

Numberphile

Math videos, suitable for a variety of ages. Everything from the scientific way to cut a cake to explorations with pi & then some.

<https://www.youtube.com/c/numberphile>

Professor Dave Explains

High school+, but could be good for some topics in middle school. His topics are mostly physics, chemistry, astronomy, and biology, but he does do some more general topics.

<https://www.youtube.com/c/ProfessorDaveExplains>

Periodic Videos

Chemistry videos, includes videos on different elements.

<https://www.youtube.com/user/periodicvideos>

Insides on the Outside

Dissection videos

<https://www.youtube.com/playlist?list=PL_hfIyUEz11wkzmoJpmx9H50tBm6pCIM5>

MacOrganisms2

Biology videos, some dissections shown

<https://www.youtube.com/user/MacOrganisms2/videos>

Smithsonian Education

These aren’t strictly STEM videos. They have links to individual museums.

<https://www.youtube.com/c/SmithsonianEducation>

Smarter Every Day

Aerospace engineer tackles topics like why cats land on their feet, Kodak film, etc.

<https://www.youtube.com/c/smartereveryday>

The Slo Mo Guys

They do everything from shooting a bullet into a Newton’s Cradle to popping a bubble while filming at 50,000 or 100,000 FPS. Lots of fun, great physics, probably not suitable for anyone who has problems with loud noises or explosions.

<https://www.youtube.com/user/theslowmoguys>

SciShow

They answer your random weird science questions, along with explaining topics like carbon dating. Does include ads from sponsors in the videos.

<https://www.youtube.com/c/SciShow>