

Immaculata University

Teacher Suggested Websites/Resources

Planet 10

Socrative (a free student response system)

Nat'l. Science Teachers' Assoc. (NSTA).

National Library of Virtual Manipulatives (nlvm.org)

OSIMO (Robotics)

Fantastic Contraptions

PUMAS (NASA – Practical Uses of Math and Science)

NASA.gov (e-clips)

- See also specific lessons and units
- Virtual Tours

Discovery Education (United Streaming)

SOI Material (see NASA.gov)

History Channel

Federal Resources for Educational Excellence (free.ed.gov)

Philadelphia EST (planning and scheduling) – (philasd.org)

SAS (pdesas.org)

NSTA

Illuminations

Infinity – (thinkfinity.org)

NOAA

Facebook: like and join GSFC and NASA Web Telescope for daily notification of news, photos, articles, etc.

The Futures Channel (www.thefutureschannel.com) – includes recent videos of Curiosity (about to land on Mars 8/6@1:40pm)

NASA's Rocket Guide

See Susan Higley's docs re: "Solar Storms and You" – Science & Math

Space Math

ZeroRobotics.org

Design Squad Nation (PBS) – science topics related to math

APPS:

Moon hd - app

Star walk

Sun Viewer

Go Sky Watch

Planet

Sky ORB

Science 360

Hubble Top 100

ISS Live

NASA SWx

NASA viz (Visualization Explorer)

Photon – Permits opening of certain video files.

www.lhsd.org teaching resources for active engagement.

edhelper.com

google

spacemath@NASA – deep space, data comes with activities

(<http://spacemath.gsfc.nasa.gov>)

Dr. Sten Odenwald – contact at NASA for SpaceMath

imagine.gsfc.nasa.gov/docs/teachers/lesson_plans.html

spaceplace.nasa.gov

nasa.gov/audience/foreducators/best

apod.nasa.gov/apod/ap120312.html

Emissions through Challenger Learning Center (e-missions.net) – scope and sequence, lesson plans, math, science, biology and more.

Windows2universe.org

Sdo.gsfc.nasa.gov – solar sunglasses

NBC Learn – NASA clips/focus questions

SDO – Solar Dynamics Observatory

Globe

PhET Colorado Simulation site – comprehensive for biology, physics; interactive; provides worksheets, simulations, provides html links; multi-lingual options.

Stanford Solar Center – hands on activities/lesson plans

NASA Kids Club – on NASA site

NASA E-clips – video

Science Matters – Kip Bolinger

Powers of 10

Star Child

PBS Video Clips- engaging anticipatory sets

Brain Pop

Magic School Bus

Teacher Tube / You Tube

VOKI.com – create avatars for student reporting.

Geodome

hippocampus – focus on science/math/ great for physics/short clips (ie: laws of motion)- gives visual and auditory

NASA Explorer Schools – free membership, NASA video clips, lesson plans, standards links, all content areas. Can also get live help and link to other teachers in other states involved in the program.

I-Motion HD – use to create animations or create slow-motion films. Use with Ipad2's or iphones.

Kahn Academy

nanoreisen.de/english – interactive site (ie: visualizes concept of atoms)

scaleofuniverse.com

itsi-su – simulations used to put together basic lesson plan to download and adapt

ted talk

chem talk