#NASATeachableMoments
With NGSS Connections

#1:

K-ESS2-1:   How can scientists measure snow or rain?
http://gpm.nasa.gov/education/videos/what-we-dont-know-about-snow-gcpex
http://gpm.nasa.gov/education/videos/for-good-measure
http://gpm.nasa.gov/education/videos/faces-gpm-professor-steve-nesbitt-gpm-ground-validation-scientist
http://gpm.nasa.gov/education/lesson-plans/how-do-you-build-weather-satellite

3-ESS2-1:   Where on the earth will Global Precipitation Mission measure snow and rain?
http://gpm.nasa.gov/education/videos/global-precipitation-measurement-constellation
http://gpm.nasa.gov/education/videos/our-wet-wide-world-gpm-overview

MS-ESS2-1:   How can we measure the amount of water needed to affect surface weathering?
http://gpm.nasa.gov/education/lesson-plans/landslides-erosion
http://gpm.nasa.gov/education/articles/satellite-monitors-rain-triggers-landslides
http://gpm.nasa.gov/education/videos/faces-gpm-dr-dalia-kirschbaum-gpm-applications-scientist

HS-ESS1.B: What might cause an "ice age" and how can we determine a timeframe for it?
http://gpm.nasa.gov/education/lesson-plans/climate-change-online

#2:
K-ESS2.1:   Does weather have patterns?
http://gpm.nasa.gov/education/videos/nasa-our-world-what-weather

3-ESS2-2:   Is it important that GPM provides many measurements?
http://gpm.nasa.gov/education/videos/gpm-engineering-next-generation-observations-rain-and-snow
http://gpm.nasa.gov/education/videos/worldwide-rain-gauges-animation

MS-ESS2-3:   How does water cycle?
http://pmm.nasa.gov/education/lesson-plans/water-cycle
http://gpm.nasa.gov/education/lesson-plans/exploring-water-cycle

HS-ESS1.B: How does Earth's precipitation change from regional climates to global climates?
http://gpm.nasa.gov/education/lesson-plans/geographical-influences
http://gpm.nasa.gov/education/lesson-plans/monsoons

#3:

K-ESS2-1:   How will observing and measuring weather help people?
http://gpm.nasa.gov/education/videos/gpm-too-much-too-little
http://gpm.nasa.gov/education/videos/gpm-hurricanes-beyond-tropics
http://gpm.nasa.gov/education/videos/gpm-freshwater-connection

3-ESS2-2:   Can we predict weather from what has happened in the past?
http://gpm.nasa.gov/education/videos/towers-tempest
http://gpm.nasa.gov/education/videos/trmm-15-reign-rain

MS-ESS2-3:   Draw a model that helps you understand how water cycles.
http://pmm.nasa.gov/education/lesson-plans/water-cycle
http://gpm.nasa.gov/education/lesson-plans/exploring-water-cycle
http://gpm.nasa.gov/education/interactive/water-cycle-webquest

HS-ESS2.C: What are the chemical and physical properties of water that make it so unique?
http://gpm.nasa.gov/education/videos/anatomy-raindrop
http://gpm.nasa.gov/education/lesson-plans/measuring-raindrops

#4:

K-ESS2-2:   Where does the water that falls to Earth as rain or snow go?
http://pmm.nasa.gov/education/lesson-plans/water-cycle

3-ESS2-2:   What is a pattern?
http://pmm.nasa.gov/waterfalls/science

MS-ESS2-5:   How does a drop in temperature of an air mass affect precipitation?
http://pmm.nasa.gov/resources/faq/what-causes-thunderstorms

HS-ESS1:   How will new technologies from GPM help advance climate science?
http://gpm.nasa.gov/education/videos/towers-tempest
http://gpm.nasa.gov/education/lesson-plans/hurricanes-and-hot-towers-trmm

#5:
K-ESS2-2:   What weather pattern would you like GPM to help you observe?
http://pmm.nasa.gov/articles/nasa-jaxa-prepare-gpm-satellite-launch

3-ESS2-2:   How can measuring weather patterns help us?
http://gpm.nasa.gov/education/videos/science-hungry-world-agriculture-and-climate-change

MS-ESS2.C: How are global movements of water affected?
http://pmm.nasa.gov/science/global-water-cycle

HS-ESS1:   Describe one new technology introduced by GPM. How might this new technology be applied in a different arena?
http://gpm.nasa.gov/education/interactive/gpm-core-observatory-paper-model
http://svs.gsfc.nasa.gov/vis/a010000/a011200/a011253/index.html