

NGSS - Resource	Description / if applicable
http://www.nextgenscience.org/	Home Page
https://www.youtube.com/watch?v=0PVQ-_oXXUI	Video on understanding the standards in UbD format
https://www.youtube.com/watch?v=0ENofSKiCdc	Video introducing the NGSS
http://www.ed-msp.net/public_documents/document/2012conferences/4_Next%20Generation%20Science%20Standards%20by%20Francis%20Eberle.pdf	NGSS powerpoint
http://ngss.nsta.org/designing-units-and-lessons.aspx	NGSS at NSTA (national science teacher association)
http://ell.stanford.edu/sites/default/files/VennDiagram_practices_v11%208-30-13%20.pdf	Venn Diagram of connections between NJSL-S and Common Core State Standards
http://www.nextgenscience.org/evidence-statements	Evidence Statements - can be used to create rubrics for Performance expectations
http://www.lewiscenter.org/AAE/Departments/Science/Teaching-the-Next-Generations-Science/	Videos by Bozeman (<i>I recommend you suscribe to his channel</i>)
http://www.nap.edu/read/13165/chapter/7#55	Reading on Science and Engineering Practices
http://www.nap.edu/read/13165/chapter/8	Reading on Crosscutting Concepts
http://concord.org/ngss/?gclid=Cj0KEQjw5le8BRCJ9fHlr_bH24cBEiQAkoDQcWSzmaWbyBwEJd6khdU7XGpi52s-JNMMEqeJZekLuQlaAq7g8P8HAQ	Select DCI, CCC and or SEP to get sample lessons
http://www.nap.edu/	Books can be downloaded for educational purposes
http://www.nap.edu/read/13165/chapter/9#128	Eplanation of Physical Science PE K-12
http://www.nap.edu/read/13165/chapter/10	Explanation of Life Science PE K-12
http://www.nap.edu/read/13165/chapter/11	Explanation of Earth and Space Sciences PE K-12
http://www.nap.edu/read/13165/chapter/12	Explanation of Engineering, Technology and Applications of Science PE K-12
https://www.youtube.com/playlist?list=PL2pHc_BEFW2KutFsOecvYfgW22SqJoA7a	YouTube Playlist on Science and Engineering Practices
https://www.youtube.com/playlist?list=PL2pHc_BEFW2JjWYua2_z3ccHEd6x5jIBK	YouTube Playlist on DCIs
https://www.youtube.com/playlist?list=PL2pHc_BEFW2JwenDjQJNzRQO82Aci4d6Y	YouTube Playlist on NGSS and instruction (for K-5)
http://ngss.nsta.org/Classroom-Resources.aspx	NGSS classroom resources from NSTA (by topic)

Curriculum - Resource	Description / if applicable
http://jaymctighe.com/wordpress/wp-content/uploads/2011/04/UbD-in-a-Nutshell.pdf	UbD in a Nutshell
https://www.smore.com/f2475-passaic-curriculum-writing?ref=email	Kim Brandon UbD Resources on a Smore
http://www.nj.gov/education/modelcurriculum/sci/8.shtml	NJ Model Curriculum
http://ngss.nsta.org/Default.aspx	NGSS HUB (great science ideas)
http://ngss.nsta.org/AccessStandardsByTopic.aspx	NGSS standards by Topic grades K-12
http://www.nextgenscience.org/classroom-sample-assessment-tasks	NGSS sample TASKS
http://concord.org/ngss/?gclid=Cj0KEQjw5le8BRCJ9fHlr_bH24cBEiQAkoDQcWSzmaWbyBwEJd6kh_dU7XGpi52s-JNMMEqeJZekLuQlaAq7g8P8HAQ	Select DCI, CCC and or SEP to get sample lessons

Assessments - Resource	Description / if applicable
40 % correct is required to pass NJASK currently. That score will be going up with the new test. He is unsure as to why scores dropped. Some predict it has to do with high PARCC concern. Information provided by Michael Heinz, science coordinator for the state. 10/26/2016 during Science Convention	
http://www.oecd.org/pisa/38709385.pdf	PISA released assessments
http://assessment.aaas.org/topics	AAAS assessment samples
http://www.nationsreportcard.gov/science_2011/sample_quest.asp	NAEP science sample questions 2011
https://nces.ed.gov/nationsreportcard/nqt/	NAEP search for your own subject - sample questions

Science Ideas K-5 - Resource	Description / if applicable
http://sbsciencematters.com/	Science matters website / complete lessons for grades 4,5,6
http://www.discoveryeducation.com/teachers/free-lesson-plans/the-phenomenon-of-sound-waves.cfm	SOUND lessons
http://sciencespot.net/Pages/kidzone.html	Science Spot
http://concord.org/ngss/?gclid=Cj0KEQjw5le8BRCJ9fHlr_bH24cBEiQAKoDQcWSzmaWbyBwEJd6khdU7XGpi52s-JNMMEqeJZekLuQlaAq7g8P8HAQ	Select DCI, CCC and or SEP to get sample lessons
https://sites.google.com/a/asd.edu.ga/collaboration-of-aero-science-teachers/units-by-subject/earth-and-space-science/landforms-unit	Needs of animals unit, quizzes and activities included.
https://sites.google.com/a/asd.edu.ga/collaboration-of-aero-science-teachers/units-by-subject/physical-science/forces-and-motion-unit	Forces and motion unit, quizzes and activities included.
http://www.middleweb.com/5003/real-world-stem-problems/	Provides sites that offer real world problems to use in STEM lessons
http://www.tc.pbskids.org/designsquad/pdf/parentseducators/DS_Act_Guide_complete.pdf	Engineering challenges for 9-12 year olds
http://www.resa.net/curriculum/curriculum/science/professionaldevelopment/ngss-pd/lesson-plans-exploring-ngss/	Lessons by Topic
https://njctl.org/courses/science/	NJ center for teaching and learning - Powerpoints by topics
http://exchange.smarttech.com/search.html?subject=Science	Lesson on Smart Exchange. Can be downloaded and edited to fit the needs of your students
https://www.youtube.com/playlist?list=PL2pHc_BEFW2JwenDjQJNzRQO82Aci4d6	YouTube Playlist on NGSS and instruction
http://ngss.nsta.org/Resource.aspx?ResourceID=64	Watershed Activity (for Grade 5)
https://www.montereybayaquarium.org/-/m/pdf/education/curriculum/shower_curtain_watershed.pdf	
http://www.mastersindatascience.org/blog/the-ultimate-stem-guide-for-kids-239-cool-sites-about-science-technology-engineering-and-math/	239 cool STEM sites
http://www.rdnj.org/news/wp-content/uploads/2012/10/RDNJ-STEM-Database-Final.pdf	NJ Data base for STEM
https://www.youtube.com/watch?v=77TFiYWPxoQ	Video-the nature of science
https://www.google.com/earth/	Real-time data using Google Earth (can only be projected, can not be downloaded to Chromebooks)
http://www.ngssphenomena.com/	Phenomena pictures and videos

Science Ideas 6-8 - Resource	Description / if applicable
http://sciencespot.net/Pages/classroom.html	The Science Spot (lessons by topic)
https://njctl.org/courses/science/	NJ center for teaching and learning - Powerpoints by topics
https://njctl.org/courses/math-and-science-courses-by-state/new-jersey-model-curriculum/nj-model-curriculum-science/	Model Curriculum and NJ Center for Teaching and Learning aligned
http://exchange.smarttech.com/search.html?subject=Science	Lesson on Smart Exchange. Can be downloaded and edited to fit the needs of your students
http://www-tc.pbskids.org/designsquad/pdf/parentseducators/DS_Act_Guide_complete.pdf	Engineering challenges for 9-12 year olds
http://www.dreambox.com/blog/girls-math-more-stem-women	STEM activities
http://sbsciencematters.com/	Science matters website / complete lessons for grades 4,5,6
http://braingenie.ck12.org/courses/5	Physical, Life and Earth Science activities
http://sciencespot.net/Pages/kidzone.html	Science Spot
http://concord.org/ngss/?gclid=Cj0KEQjw5le8BRCJ9fHlr_bH24cBEiQAkoDQcWSzmaWbyBwEJd6khdU7XGpi52s-JNMMEqeJZekLuQlaAq7g8P8HAQ	Select DCI, CCC and or SEP to get sample lessons
https://sites.google.com/a/asd.edu.qa/collaboration-of-aero-science-teachers/units-by-subject/physical-science/chemical-reactions-unit	Chemical reaction unit, quizzes and activities included.
https://sites.google.com/a/asd.edu.qa/collaboration-of-aero-science-teachers/units-by-subject/earth-and-space-science/plate-tectonics-unit	Plate tectonics unit, quizzes and activities included
https://sites.google.com/a/asd.edu.qa/collaboration-of-aero-science-teachers/units-by-subject/life-science/cells-unit	Cell unit, quizzes and activities included.
https://sites.google.com/a/asd.edu.qa/collaboration-of-aero-science-teachers/units-by-subject/physical-science/electricity-unit	Electricity unit, quizzes and activities included.
https://sites.google.com/a/asd.edu.qa/collaboration-of-aero-science-teachers/units-by-subject/earth-and-space-science/landforms-unit	Landforms unit, quizzes and activities included.
http://www.middleweb.com/5003/real-world-stem-problems/	Provides sites that offer real world problems to use in STEM lessons
http://www.education.com/activity/middle-school/science/	Many different hands on experiments
http://ngss.nsta.org/Resource.aspx?ResourceID=378	

Science Ideas 6-8 - Resource	Description / if applicable
http://www.hhmi.org/biointeractive/color-variation-over-time-rock-pocket-mouse-populations%20	Color Variation Lab on Rock Pocket Mouse Populations
http://www.stemjobs.com/stem-type-quiz-main/	STEM type survey
http://www.mastersindatascience.org/blog/the-ultimate-stem-guide-for-kids-239-cool-sites-about-science-technology-engineering-and-math/	239 cool STEM sites
http://www.rdnj.org/news/wp-content/uploads/2012/10/RDNJ-STEM-Database-Final.pdf	NJ Data base for STEM
https://www.google.com/earth/	Real-time data using Google Earth (can only be projected, can not be downloaded to Chromebooks)
http://www.ngssphenomena.com/	Phenomena pictures and videos

Science Ideas 9-12 - Resource	Description / if applicable
https://www.youtube.com/results?search_query=bozeman+science+ngss	Bozeman channel from YouTube-Great resource for NGSS (I recommend you subscribe his channel)
https://njctl.org/courses/science/	NJ center for teaching and learning - Powerpoints by topics
http://exchange.smarttech.com/search.html?subject=Science	Lesson on Smart Exchange. Can be downloaded and edited to fit the needs of your students
http://www.njcore.org/	NJ educator resource exchange
http://blogs.henrico.k12.va.us/21/?cat=19	Lessons and Activities
https://www.teachengineering.org/curriculum/browse	Lessons including Engineering
http://phet.colorado.edu/en/simulations/category/new	Simulations
http://www.middleweb.com/5003/real-world-stem-problems/	Provides sites that offer real world problems to use in STEM lessons
http://stem-works.com/activities	STEM activities
https://marketplace.hmhco.com/listings?elq_mid=13968&elq_cid=293350&elq_campid=8386&elq_extcampid=7013100001DZCwAAO&elq_emailname=PS%20%7c%20DS%20%7c%20174365%20%7c%20Marketplace%20-%20Science%20%7c%20EMAIL&elq_email=NCARBONELL%40PASSAIC-CITY.K12.NJ.US&elq_src=email&filter%5Btag_id%5D=51,52,53,54,55,56,57,58&sort=price_lowest_first&elqTrackId=7cf9cfd17bba4194a3f7a845ba1e7f7e&elq=52f443e765b04573aae5b2487fac9d9b&elqaid=13968&elqat=1&elqCampaignId=8386	Science Market Place - some free lessons
http://concord.org/ngss/?gclid=Cj0KEQjw5le8BRCJ9fHlr_bH24cBEiQAKoDQcWSzmaWbyBwEJd6khdU7XGpi52s-JNMMEqeJZekLuQlaAq7g8P8HAQ	Select DCI, CCC and or SEP to get sample lessons
http://ngss.nsta.org/Resource.aspx?ResourceID=34	Newton's 2nd Law Inquiry Lab
https://docs.google.com/spreadsheets/d/1byfJQj0b0p-L2hxhtPzAbwSnEmJ5H9XDVYFVBNBIFk0/edit#gid=13316602	Phenomena Ideas - Shared by Teachers
https://docs.google.com/a/passaicschools.org/forms/d/e/1FAIpQLSdGdjFiiJjtXygDXegeaGHzhdzlSrUqRkp7IQNMCzc4HFbPfg/viewform	Link for you to submit Additional Phenomena Ideas
http://www.stemjobs.com/stem-type-quiz-main/	STEM type survey
http://www.mastersindatascience.org/blog/the-ultimate-stem-guide-for-kids-239-cool-sites-about-science-technology-engineering-and-math/	239 cool STEM sites
http://www.rdnj.org/news/wp-content/uploads/2012/10/RDNJ-STEM-Database-Final.pdf	NJ Data base for STEM
https://www.google.com/earth/	Real-time data using Google Earth (can only be projected, can not be downloaded to Chromebooks)

Science Ideas 9-12 - Resource	Description / if applicable
http://www.ngssphenomena.com/	Phenomena pictures and videos

Other Information - Resource	Description / if applicable
https://www.amle.org/BrowsebyTopic/Curriculum/CurrDet/TabId/186/ArtMID/793/ArticleID/319/PBL_Learning-How-to-Learn.aspx	PBL article
http://www.middleweb.com/5003/real-world-stem-problems/	Provides sites that offer real world problems to use in STEM lessons
https://docs.google.com/document/d/1Lza4Nt0n4G1wawb6Oj5tlBhKenlHzpAxKmB5hOcHI7s/edit	Differentiating end product based on learning style
http://stemteachingtools.org/tools	Addresses issues with implementing STEM