Type of Resource	Subject	Website
		s necessary to change the settings to allow people to view
		s/virtual labs, case studies, data sets, other media - videos/
https://forms.gle/Zz9mncCoRt0		Tritadi labo, odoo otaaloo, ada ooto, otiloi lilodia "Traooo,
		resources, it is just a gathering of resources. Please vet a
please share with anyone you		gamening or recent reactions
Simulation / Virtual Lab	Anatomy and Physiology	Whitman College Virtual Fetal Pig Dissection
Simulation / Virtual Lab	Astronomy	Nebraska Astronomy Applet Project
Simulation / Virtual Lab	Astronomy	Astro Simulations, from the Columbia University Center for
Simulation / Virtual Lab	Astronomy	Foothill College AstroSims
Simulation / Virtual Lab	Neuroscience	UCLA
Simulation / Virtual Lab	Biology	Learn Genetics
Simulation / Virtual Lab	Biology	Virtual Laboratory
Simulation / Virtual Lab	Biology	Whole Frog
Simulation / Virtual Lab	Biology	Phet Interactive Simulations
Simulation / Virtual Lab	Biology	Gizmos
Simulation / Virtual Lab	Biology	Molecular Workbench
Simulation / Virtual Lab	Biology	Labster
Simulation / Virtual Lab	Biology	Praxilabs
Simulation / Virtual Lab	Biology	Judith Nuno's AP Biology
Simulation / Virtual Lab	Biology	Biologica - the concord consortium
Simulation / Virtual Lab	Biology	Teaching Genetics with Dragons
Simulation / Virtual Lab	Biology	EduWebLabs
Simulation / Virtual Lab	Biology	Genetics Web Lab Directory
Simulation / Virtual Lab	Biology	BioInteractive - HHMI
Simulation / Virtual Lab	Biology	McGraw-Hill Biology Virtual Laboratory Exercise
Simulation / Virtual Lab	Biology	General Biology Lab 101
Simulation / Virtual Lab	Biology	Interactive Media - Virtual Labs Stanford
Simulation / Virtual Lab	Biology	Microscopy Laboratory
Simulation / Virtual Lab	Biology	Virtual Scanning Electron Microscope
Simulation / Virtual Lab	Biology	Virtual Biology Labs
Simulation / Virtual Lab	Biology	Virtual Interactive Bacteriology Laboratory
Simulation / Virtual Lab	Biology	Microbiology Virtual Lab
Simulation / Virtual Lab	Biology	LabXchange
Simulation / Virtual Lab	Biology	SimBio/ Simulated Biology
Simulation / Virtual Lab	Biology	NOVA interactives
Simulation / Virtual Lab	Biology	DataNuggets
Simulation / Virtual Lab	Biology	Evo-Ed
Simulation / Virtual Lab	Biology	NOVA interactives
Simulation / Virtual Lab	Biology	Wiley Plus

Website URL	Description
and comment on this document.	
odcasts/images/photos) - please do so by	clicking on the link below.
nd discuss with others at your institution a	s to the viability/safety of what you intend to use.
	supplement to laboratory dissections exploring introductory mammalian anatomy and physic
https://astro.unl.edu/naap/	Simulations of a wide range of astronomical phenomena, organized into units of related sim
https://ccnmtl.github.io/astro-simulations/	HTML5 implementation of several of the NAAP simulations.
https://foothill.edu/astronomy/astrosims/	HTML5 Astronomy simulations (currently planetary configurations and dark matter. Soon: P
https://mdcune.psych.ucla.edu/modules	digital modules for undergraduate neuroscience course
https://learn.genetics.utah.edu/	Interactive techniques labs, online lessons in genetics, cell biology, evolution, human health
	videos, descriptions, simulations throughout lessons (Water properties, Ecoli, Growth, Muta
https://froggy.lbl.gov/	interactive frog dissection, images, 3D rotatable images, stories, and games
https://phet.colorado.edu/ m/	simulations + faculty resources: activites, questions to ask students
	online simulations with instructor guides, prompts for students
http://mw.concord.org/modeler/	simulations + lesson guides for students
https://www.labster.com/simulations/	simulations + short lesson/learning objectives
https://praxilabs.com/en/virtual-labs	simulations with prompts embedded to walk students through lab
	simulations, activities, lab protocols + for a few simulations
	web labs and 3D cell renderings to each genetics
	genetics game with instructor guides, resources
http://eduweblabs.com/	online laboratory - guides for students beside simulator (labs, exercises, drills, tutorials)
	click through simulations with embedded cotent (instructions, teacher notes and student isn virtual laboratories with workshops, handouts and teacher materials
http://bio.rutgors.odu/~gb101/virtuallabs.101	laboratory exercises with instructions, quizzes and report options online instruction with walkthroughs and videos
http://virtuallabs.stanford.edu/	online interactive media
http://www1.udel.edu/biology/ketcham/micros	
	interactive microsope with different samples and ability to chagne focus, contrast, brightnes
	virtual labs that allow students to save predictions, data, calucations and conclusions from l
http://learn.chm.msu.edu/vibl/	virtual labs with pre-lab walk through (descriptions, steps, starts)
https://vlab.amrita.edu/?sub=3&brch=73	animations, lessons, simulators, assignments
https://www.labxchange.org/library/items/lb:La	
https://simbio.com/	experimentation using realistic simulations of biological systems
	interactive modules for many subjects (and videos)
http://datanuggets.org/	Activities to develop quantitative skills. Undergrad. = Content Level 4
http://www.evo-ed.org/index.htm	Integrative Evolution Case Studies/Modules/Games
-	interactive modules for many subjects (and videos)
https://www.wileyplus.com	has interactive materials for many subjects including LMS integration

Access (open, limited, at cost)	Registration required	l additional notes
free	no	
free	no	Written in Flash, however, Windows and Mac installable versions available a
free	no	
free	no	HTML5 (works on modern browsers), mix of re-implementations of NAAP sir
free	no	Virtual Labs only: https://learn.genetics.utah.edu/content/labs/
free	no	Adoble Flash Player required
free	no	
free	no	Adobe Flash Player, Java or others (depending on simulation)
free	yes	
free	no	Java
Free for K12, Discounted for higher e	yes	accessed through BB
free	yes	
free	no	adobe for most
free	no	shockwave
free	yes	
free	no	adobe flash player
free	no	adobe flash player
free	no	ipad apps
free	no	Adode Flash Player
free	no	quicktime
free	no	adobe flash player
free	no	Flash 6 plugin required
free	no	Jave for interactive tutorials
free	no	adobe flash
free	no	some make students do all or some steps
free	yes	
free	no	
For Spring 2020 they are allowing gre	e yes	
free	no	
free	no	Digital specifc data nuggets: http://datanuggets.org/digital-data-nuggets/?fbc
free	no	
free	no	
free if used due to coronavirus interru	ı yes	must register here: https://secure.wiley.com/COVID19OpenWPAccess?elq_i

://astro.unl.edu/downloads/					
,,, acticianii caa, ac mii caac,					
ns and entirely new simulations					
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Simulation / Virtual Lab	Biology	QUBES
Simulation / Virtual Lab	Biology	GelBox
Simulation / Virtual Lab	Biology	Virtual Microscope
Simulation / Virtual Lab	Biology	Gel Scramble
Simulation / Virtual Lab	Biology	StarGenetics
Simulation / Virtual Lab	Biotech	LabXchange/Amgen Biotech/Harvard
Simulation / Virtual Lab	Cell Bio/Genetics	UCLA
Simulation / Virtual Lab	Chemistry	Resources by Prof Gary L Bertrand - Simulated Experime
Simulation / Virtual Lab	Chemistry	Gen Chem online Simulations (from J Wiley and Sons)
Simulation / Virtual Lab	Chemistry	Gen Chem Interactive Simulations
Simulation / Virtual Lab	Chemistry	Virtual Chemistry Experiments
Simulation / Virtual Lab	Chemistry	ChemReaX (LibreTexts)
Simulation / Virtual Lab	Chemistry	goREACT Museum of Science+Industry, Chicago
Simulation / Virtual Lab	Chemistry	Royal Society of Education
Simulation / Virtual Lab	Chemistry	ChemCollective - CMU
Simulation / Virtual Lab	Chemistry	Chem Doodle
Simulation / Virtual Lab	Chemistry	ChemCollective CMU
Simulation / Virtual Lab	Chemistry	Phet Interactive Simulations
Simulation / Virtual Lab	Chemistry	ChemSims
Simulation / Virtual Lab	Chemistry	Gizmos
Simulation / Virtual Lab	Chemistry	Molecular Workbench
Simulation / Virtual Lab	Chemistry	Labster
Simulation / Virtual Lab	Chemistry	Praxilabs
Simulation / Virtual Lab	Chemistry	EduWebLabs
Simulation / Virtual Lab	Chemistry	Learn Genetics
Simulation / Virtual Lab	Chemistry	Ck-12 Explroation Series
Simulation / Virtual Lab	Chemistry	EduMedia
Simulation / Virtual Lab	Chemistry	Wiley Plus
Simulation / Virtual Lab	Chemistry	MIT OpenCourseWare Digital Lab Techniques Manual
Simulation / Virtual Lab	Chemistry	ChemMixLab
Simulation / Virtual Lab	Chemistry	AACT (American Association of Chemistry Teachers)
Simulation / Virtual Lab	Chemistry	Labflow by Catalyst ( COVID -19 Contingency Lab Course
Simulation / Virtual Lab	Chemistry, Bio, Other - medicine	Labster
Simulation / Virtual Lab	Chemistry, Math	Nanome (Nano Me)
Simulation / Virtual Lab	Chemistry (organic)	NC State Undergraduate Organic Chemistry Teaching La
Simulation / Virtual Lab	Chemistry (organic)	List of free resources compiled by Stacey Lowry Bretz
Simulation / Virtual Lab	Civics	iCivics
Simulation / Virtual Lab	Comparative neuroanatomy	UCLA
Simulation / Virtual Lab	Computer Science, Engineering	Zybooks
Simulation / Virtual Lab	Environmental Science	Wiley Plus

https://qubeshub.org/qubesresources	Biology/Math platform with open source simulations, activities etc
http://douglaslab.org/gelbox/	Open Inquiry Simulation of DNA gel electrophoresis (only DNA currently)
http://virtual.itg.uiuc.edu/	virtual microscopes, 90 samples of multi-dimensional, high-resolution image datasets. The
https://mdcune.psych.ucla.edu/modules/gel	Critical thinking in molecular biology
http://star.mit.edu/genetics/	Mendelian genetics cross simulator developed at MIT by biology faculty, researched-trained
https://www.labxchange.org/library/clusters/a	tfundamental concepts and lab techniques essential to the field of biotechnology
https://mdcune.psych.ucla.edu/modules/gel	, , ,
http://web.mst.edu/~gbert/links.html	List of simulated experiments, self-tests and tutorials
https://antoine.frostburg.edu/chem/senese/1	Electrolyte Solution Simulation
http://employees.oneonta.edu/viningwj/sims/	
https://www.chm.davidson.edu/vce/index.htm	Effect of Temp; Joule Experiment; molecular and atomic structure
	Web App for modeling and simulating chem reactions
https://edu.rsc.org/resources/titration-screen-	Mobile app to create own virtual chem reactions
http://www.rsc.org/learn-chemistry/resources	
http://www.chemcollective.org/mr/index.php	Gather clues - Interview suspects - Analyze evidenceSolve a mysterious death
https://www.chemdoodle.com/	Chemical Drawing, Publishing and Informatics.
http://chemcollective.org/home	Virtual Labs and Simulations
https://phet.colorado.edu/_m/	simulations + faculty resources: activites, questions to ask students
http://chemsims.com/	Evidence based assignments to support several online simulations from PhET and Pearsor
	online simulations with instructor guides, prompts for students
http://mw.concord.org/modeler/	simulations + lesson guides for students
https://www.labster.com/simulations/	simulations + short lesson/learning objectives
https://praxilabs.com/en/virtual-labs	simulations with prompts embedded to walk students through lab
http://eduweblabs.com/	online laboratory - guides for students beside simulator (labs, exercises, drills, tutorials)
https://learn.genetics.utah.edu/	Interactive techniques labs, online lessons in genetics, cell biology, evolution, human health
https://interactives.ck12.org/simulations/phys	
https://www.edumedia-sciences.com/en/node	-
https://www.wileyplus.com	has interactive materials for many subjects including LMS integration
	i videos of common chemistry laboratory techniques
https://chemix.org/	
	s activities, animations, projects, simulations, and videos for middle school, high school, and
	Ready to implement guided Lab Simulations on select topics with questions and Lab reports
https://www.labster.com/simulations/	simulations + short lesson/learning objectives
https://nanome.ai/	VR Molecular Exploration & Design, VR calculus visualizations
	Lab videos that demonstrate organic chemistry lab techniques. Resource also contains son
	Download a list of URLs to online animations, videos, simulations, & demos that many taler
https://www.icivics.org/	Simulations of different government positions, elections
https://mdcune.psych.ucla.edu/modules/cna	, ,
https://www.zybooks.com/	Interactive Textbook for CS and Electrical ENGR
https://www.wileyplus.com	has interactive materials for many subjects including LMS integration

-	N/	
Free	Yes	Download program, Mac only!
open	no	
free	yes	Students are given protocols and then have to decide which gels fit AND what h
free	no	
Free	Account required	Can also curate playlists
Yes	no	
Yes	No	need Macromedia's free Flash Player
yes	No	Adobe Flash Player
Yes	No	Java-Based
Yes	yes, also but includes	sign-in
yes	No	Drag and drop lab using Periodic Table; game format
free	Reg required	
Free	No	game-like activity developed by the ChemCollective with students from the Department
free	no	online simulation of a chem lab; by concept and difficulty
free	no	Adobe Flash Player, Java or others (depending on simulation)
free	no	
free	ves	
free	no	Java
Free for K12, Discounted for higher	erves	accessed through BB
free	yes	
free	no	adobe flash player
free	no	Virtual Labs only: https://learn.genetics.utah.edu/content/labs/
free	sign in via google or a	· · · · · · · · · · · · · · · · · · ·
free	no	
free if used due to coronavirus interre	ı ves	must register and state that you are using it due to coronavirus interruptions
open free	no	mast regions and state that you are using it due to serona mice maphone
opon noc	110	
open through March 31	no	
free/open	ves	
Free for K12, Discounted for higher	,	accessed through BB
l 100 101 1(12, Bloodarited 101 Higher (	5. y 0 0	docessed through bb
free	no	
free	no	
free	Yes	
free	100	
free if used due to coronavirus interr	u ves	must register and state that you are using it due to coronavirus interruptions
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appened when the	y don't fit perfectly	/. Good critical thin	king lab.		
rtments of Chemi	stry and Drama at	CMU			
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Simulation / Virtual Lab	Environmental Science	The Habitable Planet - Annenburg Learner
Simulation / Virtual Lab	Epidemiology	linked through CDC Epi Info
Simulation / Virtual Lab	Geology	Phet Interactive Simulations
Simulation / Virtual Lab	Geology	Gizmos
Simulation / Virtual Lab	Geology	EduWebLabs
Simulation / Virtual Lab	Geology	Geology Online Labs
Simulation / Virtual Lab	Geology	Finding Lab Activities Online
Simulation / Virtual Lab	Geology	Jules Verne Voyager
Simulation / Virtual Lab	Geology	Geology Lab Study Materials
Simulation / Virtual Lab	Geology	Earthquake Simulator
Simulation / Virtual Lab	Geology	EduMedia
Simulation / Virtual Lab	Geology	NOVA interactives
Simulation / Virtual Lab	Geology and Earth Sciences	Virtual Microscope
Simulation / Virtual Lab	Math	Phet Interactive Simulations
Simulation / Virtual Lab	Math	Wiley Plus
Simulation / Virtual Lab	Math	MapleSoft MathApps
Simulation / Virtual Lab	Math?	Patterns in Nature
Simulation / Virtual Lab	Multi-Discip	Molecular Workbench
Simulation / Virtual Lab	Neuropsychology	UCLA
Simulation / Virtual Lab	Neuroscience	UC SanDiego
Simulation / Virtual Lab	Other - biotech + biotech	Molecular Workbench
Simulation / Virtual Lab	Physics	Phet Interactive Simulations
Simulation / Virtual Lab	Physics	
Simulation / Virtual Lab	Physics	Molecular Workbench
Simulation / Virtual Lab	Physics	Labster
Simulation / Virtual Lab	Physics	Praxilabs
Simulation / Virtual Lab	Physics	EduWebLabs
Simulation / Virtual Lab	Physics	physics simulations
Simulation / Virtual Lab	Physics	HTML5 Physics Simulations
Simulation / Virtual Lab	Physics	Ck-12 Explroation Series
Simulation / Virtual Lab	Physics	Physics Classroom
Simulation / Virtual Lab	Physics	EduMedia
Simulation / Virtual Lab	Physics	NOVA interactives
Simulation / Virtual Lab	Physics	Positive Physics
Simulation / Virtual Lab	Physics	Wiley Plus
Simulation / Virtual Lab	Physics	Open Source Physics
Simulation / Virtual Lab	Physics	Pivot Interactives
Simulation / Virtual Lab	Physics	The Physics Aviary
Simulation / Virtual Lab	Physiology	Fox Valley Tech College
Simulation / Virtual Lab	Physiology	PhysioEx

https://www.learner.org/series/the-habitable-	o a robust text plus lab simulations + lesson plans (pollution, C cycle, ecosystems), embedde
http://www.activepi.com/	lectures, videos, datasets, activities
https://phet.colorado.edu/ m/	simulations + faculty resources: activites, questions to ask students
	online simulations with instructor guides, prompts for students
http://eduweblabs.com/	online laboratory - guides for students beside simulator (labs, exercises, drills, tutorials)
https://www.sciencecourseware.org/GLOL/	curricula with virtual earthquake, dating and river
-	r a list of online courses/laboratories to teach geology
http://jules.unavco.org/VoyagerJr/Earth	manipulate maps of the world to view different features
	t A handful of virtual labs with fillable worksheets/lab reports
http://ds.iris.edu/edu/10.5/	Manipulate length, depth and slip, then predict magnitude and experiment
https://www.edumedia-sciences.com/en/nod	
	interactive modules for many subjects (and videos)
	Our virtual microscope collections include a full range of rock types native to Earth and beyon
https://phet.colorado.edu/ m/	simulations + faculty resources: activites, questions to ask students
https://www.wileyplus.com	has interactive materials for many subjects including LMS integration
https://www.maplesoft.com/products/Studen	
http://polymer.bu.edu/java/	short lessons + online simulators
http://mw.concord.org/modeler/	Hundreds of Simulations - Physics, chem, bio, biotech, nanotech
https://mdcune.psych.ucla.edu/modules/smr	
https://sites.google.com/ucsd.edu/neuroedu	
http://mw.concord.org/modeler/	simulations + lesson guides for students
https://phet.colorado.edu/ m/	simulations + faculty resources: activites, questions to ask students
	online simulations with instructor guides, prompts for students
http://mw.concord.org/modeler/	simulations + lesson guides for students
https://www.labster.com/simulations/	simulations + short lesson/learning objectives
https://praxilabs.com/en/virtual-labs	simulations with prompts embedded to walk students through lab
http://eduweblabs.com/	online laboratory - guides for students beside simulator (labs, exercises, drills, tutorials)
https://www.myphysicslab.com/	interactive physics labs (change values and experiment)
http://physics.bu.edu/~duffy/HTML5/index.ht	manipulate systems and experiment with climate change, motion, forces, gravity, momentu
https://interactives.ck12.org/simulations/phys	easy to use simulations and walkthroughs
https://www.physicsclassroom.com/	simulations, tutorials, concept builders, aimed at HS but usable for college
https://www.edumedia-sciences.com/en/nod	e simulations by subject
	interactive modules for many subjects (and videos)
https://www.positivephysics.org/	physics questions and prep
https://www.wileyplus.com	has interactive materials for many subjects including LMS integration
https://www.compadre.org/osp/index.cfm	Lots of great tools—simulations, analysis programs.
https://www.vernier.com/product/pivot-interactions	formerly "direct measurement videos", videos of lab trials with javascript tools for measuren
https://www.thephysicsaviary.com/Physics/P	glab simulations, some with built-in random error for better analysis
https://library.fvtc.edu/NursingAssistant/Virtu	
http://www2.scsc.k12.in.us/physioEX/bc_phy	SHuman physiology simulations with notes & handouts

free	no	
free	no	
free	no	Adobe Flash Player, Java or others (depending on simulation)
free	yes	, radio ( radio) ( radio) ( radio) ( radio)
free	no	adobe flash player
free		java or flash
free	no	
free	no	
free	no	
free	no	flash
free	no	
free	no	
open	no	
free	no	Adobe Flash Player, Java or others (depending on simulation)
free if used due to coronavirus interru	yes	must register and state that you are using it due to coronavirus interruptions
	•	
free	no	Java
Yes	No	Java-Based
free	no	Java
free	no	Adobe Flash Player, Java or others (depending on simulation)
free	yes	
free	no	Java
Free for K12, Discounted for higher e	yes	accessed through BB
free	yes	
free	no	adobe flash player
free	no	
free	no	
free	sign in via google or ac	
free	no	HTML5
free	no	
free	no	
free	yes	email the founder for access
free if used due to coronavirus interru	yes	must register and state that you are using it due to coronavirus interruptions
free	no	
at cost	yes	30-day free trial for educators
free	no	
free	no	no
free	no	old version

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Simulation / Virtual Lab Physiology/neurophysiology American Psychological Association Simulation / Virtual Lab STEM NextGen Molecular Workbench Demonstrations STEM NextGen Molecular Workbench Simulation / Virtual Lab STEM WOLFRAM Demonstrations Project Simulation / Virtual Labs STEM York Simulation / Virtual Labs STEM Virtual Labs (Indian Ministry of Human Resource Develop Simulations / Virtual Labs STEM Labs Land Simulations / Virtual Labs STEM Labs Land Simulations / Virtual Labs STEM Labs Land Virtual Labs STEM Virtual Labs at Amrita Vishwa Vidyapeetham Virtual Labs Case Studies, Other I STEM JoVE Science Education Simulations / Virtual Labs Sciences Science Buddies- at home labs Open Resources ALL openstax Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Data Sets / Sources Multi-Disciplinary Open Data Data Sets / Sources Open Multi-Disciplinary Open Data Sets / Sources Open Data Sets / Sources Science Based Open Data Data Sets / Sources Science Based Open Data Data Sets / Sources Science Based Open Data Sets / Sources Science Based Open Data Sets / Sources Science and Engineering (STEM Enst Realth and Aging Trends Study Data Sets / Sources Simulation / Natronomy Science, Health and Aging Trends Study Data Sets / Sources Simulation / Natronomy Science, Health & Medicine, Engineering and Environment: Case Studies Multi-Disciplinary National Center for Case Study Feaching in Science: Case Studies Multi-Disciplinary National Conservation Educators and Practitioners: Bic Case Studies Multi-Disciplinary	Simulation / Virtual Lab	Physiology	JustPhysiology Human Physiology Simulations
Simulation / Virtual Lab STEM NextGen Molecular Workbench Demonstrations STEM WOLFRAM Demonstrations Project Finally Rat Simulation / Virtual Lab STEM WOLFRAM Demonstrations Project Finally Rat Simulations / Virtual Labs STEM Virtual Labs (Indian Ministry of Human Resource Develor Simulations / Virtual Labs STEM Virtual Labs (Indian Ministry of Human Resource Develor Simulations / Virtual Labs STEM Virtual Labs Amrita Vishwa Vidyapeetham Virtual Labs, Case Studies, Other I STEM JoVE Science Education Simulations / Virtual Labs STEM Virtual Labs Amrita Vishwa Vidyapeetham Virtual Labs, Case Studies, Other I STEM JoVE Science Education Simulations / Virtual Labs Sciences Science Buddies- at home labs Open Resources ALL openstax Science Buddies- at home labs Open Resources Multi-Disciplinary Finding Data Home: University of Bath Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Data Sets / Sources Multi-Disciplinary Web of Science (through Kent State Library) Data Sets / Sources Multi-Disciplinary Web of Science (through Kent State Library) Data Sets / Sources Multi-Disciplinary Dryad Data Sets / Sources Multi-Disciplinary Dryad Data Sets / Sources Environmental Science DataONE (Data Observation Network for Earth) Data Sets / Sources Science Based QUT (Queensland University of Technology) Library Data Sets / Sources Multi-Opic United States Census Bureau Usa Sets / Sources Multi-Opic United States Census Bureau Usa Sets / Sources Health and Aging Usas Sets / Sources Business and Finance Usas Science and Engineering (STEM ENSF NCSES (National Center for Science and Engineering Case Studies Multi-Disciplinary National Health and Aging Trends Study Data Sets / Sources Business and Finance Usas Science, Health & Medicine, Engineering and Environment: Case Studies Multi-Disciplinary Investigate Case Studies Multi-Disciplinary Investigate Case Based Learning: Biology: Case It Biology Case It Biology Network of Conservation Educators and Practitioners: Bic Case Studies Multi-Disciplinary In			, , ,
Simulation / Virtual Lab STEM STEM WOLFRAM Demonstrations STEM WOLFRAM Demonstrations Project Simulation / Virtual Labs SITEM Virtual Labs SITEM Virtual Labs (Indian Ministry of Human Resource Develop Simulations / Virtual Labs STEM Virtual Labs Land Virtual Labs STEM Virtual Labs at Amrita Vishwa Vidyapeetham Virtual Labs, Case Studies, Other I STEM Virtual Labs at Amrita Vishwa Vidyapeetham Virtual Labs, Case Studies, Other I STEM JoVE Science Education Simulations / Virtual Labs STEM Virtual Labs at Amrita Vishwa Vidyapeetham Virtual Labs, Case Studies, Other I STEM JoVE Science Education Simulations / Virtual Labs SCIENCES Science Buddies- at home labs Open Resources ALL openstax Data Sets / Sources Multi-Disciplinary Finding Data Home: University of Bath Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Mata Sets / Sources Multi-Disciplinary Web of Science (through Kent State Library) Data Sets / Sources Multi-Disciplinary Dryad Data Sets / Sources Multi-Disciplinary Dryad Data Sets / Sources STEM University of Texas Libraries Data Sets / Sources STEM University of Texas Libraries Data Sets / Sources Multi-Disciplinary Usca G(U.S. Geological Survey) Data Sets / Sources Multi-Disciplinary Usca G(U.S. Geological Survey) Data Sets / Sources Multi-Disciplinary National Center for Case Study Teaching in Science: Case Studies Multi-Disciplinary National Center for Case Study Teaching in Science: Case Studies Multi-Disciplinary National Center for Case Studies Multi-Disciplinary National Geographic Video (youtube): Other Media (videos/photos/image Multi-Discipli			
Demonstrations STEM WOLFRAM Demonstrations Project Simulation / Virtual Labs STEM Virtual Labs (Indian Ministry of Human Resource Develor Simulations / Virtual Labs STEM Labs Land Labs (Indian Ministry of Human Resource Develor Simulations / Virtual Labs STEM Labs Land Simulations / Virtual Labs STEM Virtual Labs Amrita Vishwa Vidyapeetham Virtual Labs, Case Studies, Other 1 STEM JoVE Science Education Simulations / Virtual Labs Sciences Science Buddies- at home labs Open Resources ALL openstax Hult-Disciplinary Finding Data Home: University of Bath Data Sets / Sources Multi-Disciplinary Open Access Directory - Data Repositories Sets / Sources Public Health and Nursing Kent State Library Data Sets / Sources Multi-Disciplinary Web of Science (through Kent State Library) Data Sets / Sources Multi-Disciplinary Dryad Data Sets / Sources Multi-Disciplinary Dryad Data Sets / Sources Multi-Disciplinary Dryad Data Sets / Sources Environmental Science DataCones (Data Observation Network for Earth) Data Sets / Sources Stem Science Based Qu'l' (Queensland University of Technology) Library Data Sets / Sources Multi-Disciplinary USGS (U.S. Geological Survey) Data Sets / Sources Multi-Disciplinary USGS (U.S. Geological Survey) Data Sets / Sources Multi-Disciplinary USGS (U.S. Geological Survey) Data Sets / Sources Multi-Disciplinary USGS (U.S. Geological Survey) Data Sets / Sources Business and Finance U.S. Govt Open Data Data Sets / Sources Science and Engineering (STEM ENSF NCSES (National Center for Science and Engineering Case Studies Multi-Disciplinary National Center for Case Study Packing Studies Multi-Disciplinary National Center for Case Study Packing in Science: Case Studies Multi-Disciplinary National Center for Case Study Faching in Science: Case Studies Multi-Disciplinary National Center for Georgraphic Video (Videos/photos/image Multi-Disciplinary National Geographic Video (Voutube): Other Media (videos/photos/image Multi-Disciplinary National Geographic Video (Voutube): Other Media (videos/photos/image Multi-D			, ,
Simulation / Virtual Labs			
Simulations / Virtual Labs STEM Labs Labs Labs Labs Labs Labs Labs Labs		5 · 2 · · ·	,
Simulations / Virtual Labs   STEM   Labs Land		STEM	
Simulations / Virtual Labs			, , ,
Virtual Labs, Case Studies, Other I STEM   JoVE Science Education			
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