Resources for STEM Courses

Name	URL	Resource Type	Field(s)	Notes
PhET Interactive Simulations	https://phet.colorado.edu/	Interactive simulations	Physics, Chemistry, Math, Earth Science, Biology	https://youtu.be/4Hj6GqBRpA0 Use the HTML5 simulations and avoid the Flash.
Virtual Labs	http://mw.concord.org/modeler/		All	https://www.theedadvocate.org/13-must-virtual-science-lab-apps-tools-resources/
	https://www.biologycorner.com/worksheets/virtual_labs_glencoe.html			
	http://www.phschool.com/science/biology_place/labbench/index.html			
	http://chemcollective.org/vlabs			
	https://www.pbs.org/wgbh/nova/labs/			
	https://www.biointeractive.org/			
	https://learn.genetics.utah.edu/			

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Lucid Chart	https://app.lucidchart.com/users/login	Online chart creation tool	All	https://youtu.be/aWK0XlOP23I
				https://www.youtube.com/watch?v=St95m84Rs5g&feature=youtu.be
Graphic Tablet		Tool to write live during synchronous sessions. It can be also used to create recorded lessons and tutorials.	All	https://www.architecturelab.net/best-graphic-tablets-for-beginners/ https://tabletunderbudget.com/best-drawing-tablets/
Google Suite	Google Docs, Slides, Sheets, Forms	Collaboration and productivity tools	All	https://edu.google.com/products/gsuite-for-education/?modal_active=none
Google Jamboard	https://jamboard.google.com/	Collaborative digital whiteboard		https://youtu.be/gXwV5SlKLAE
Google Sites	https://sites.google.com/new	Collaborative web sites creation		https://www.youtube.com/watch?v=Vl2wsahS6RU
Digital Whiteboards	Many	Tool to write live during synchronous sessions	All	https://ditchthattextbook.com/online-whiteboard/ https://zapier.com/blog/best-online-whiteboard/
Canva	https://www.canva.com/	Collaboration online tool to create designs	All	

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Blackboard Collaborate		Synchronous sessions (conferencing tool) for whole class or teams	All	
IdeaBoardz	https://ideaboardz.com/	Virtual Brainstorming Board	All	https://youtu.be/4zYlzjpEfzM
				https://tallyfy.com/brainstorming-tools/
Desmos	https://www.desmos.com/	Set of online calculators that allow for collaboration		https://youtu.be/mbya2DBubN8
				https://www.youtube.com/watch?v=K2mSm9r_T-k&feature=youtu.be
GoBoard	https://goboard.com/	Video conferencing tool with interactive canvas for collaboration	All	