

List of Some Online Support Resources for Science

Below is a list of not-for-profit educational websites that can support teaching and learning science through free simulations or videos.

Sites with Simulations (Available for Free)

- Molecular Work Bench ([HTTP://MW.CONCORD.ORG/MODELER/](http://MW.CONCORD.ORG/MODELER/))
 - Visual, Interactive Simulations for Teaching & Learning Science
- Interactive Sites for Education ([HTTP://INTERACTIVESITES.WEBLY.COM/](http://INTERACTIVESITES.WEBLY.COM/))
 - K–5 online, interactive, educational games and simulations in one place! (Links out to other sites)

Video and Time-lapsed Drawing (Available for Free) and Open Source Sharing Sites

- Khan Academy (<https://www.khanacademy.org/>) (<https://www.youtube.com/user/khanacademy>)
 - Website and YouTube channel
 - Comprehensive Science and Math; Arts and Humanities; Computing
- WatchKnowLearn.org (<http://www.watchknowlearn.org/>)
 - Wiki-based sharing site, monitored
 - All subjects
- Curriki (<http://www.curriki.org/>)
 - All subjects
 - Free and open library of digital learning resources, Open Educational Resources (OER)
- MinutePhysics (<https://www.youtube.com/user/minutephysics>)
 - MinutePhysics is an educational YouTube channel created by Henry Reich. The channel's videos include time-lapsed drawing to explain physics-related topics in approximately one minute.
- Minute Earth (<https://www.youtube.com/user/minuteearth>)
 - In October 2011, Reich started a second channel entitled MinuteEarth presenting videos in a similar style to his MinutePhysics videos regarding the physical properties and phenomena that make up and occur on Earth.
- Crash course Kids (<https://www.youtube.com/channel/UCONtPx56PSebXJOxbFv-2jQ>)
 - Science Crash Course (or CrashCourse) is an educational YouTube channel started by the Green brothers, Hank Green and John Green, who are notable for their VlogBrothers channel.
- OnlineLabs.in (<http://oninelabs.in/>)
 - Serves as a comprehensive, encyclopedic reference about online labs in a variety of subjects, particularly virtual laboratory simulations for science education with resources featured in chemistry, physics, and biology.
- National Science Teachers Association (<http://www.nsta.org/publications/freebies.aspx>)
 - Provides an array of free resources for you and your classroom.
- PhET Interactive Simulations, University of Colorado (<https://phet.colorado.edu/>)
 - Provides free interactive math and science resources.
- Discovery of Photosynthesis (<https://www.youtube.com/watch?v=ZOrZf6lZgnk>)
 - In this biology lesson, Mr. Zabel goes over the Discovery of Photosynthesis. He talks about the scientists and their experiments that lead to the contribution of coming up with the photosynthetic equation.
- Discovery of Photosynthesis (<https://www.youtube.com/watch?v=MzdKP9wcm88>)
 - Clipbank video learning resources. Extracted from educational programmes for secondary schools aired on Channel 4.
- Science Simulations to Engage the Digital Native (<https://sites.google.com/a/esc6.net/science-simulations-to-engage-the-digital-native/reporting-category-4-organisms-environments/high-school-biology>)
 - High school biology
- The King's Centre for Visualization in Science (<http://www.kcvs.ca/site/projects/physics.html>)
 - Applets designed to help address some critical points in a student's understanding in physics