BIOLOGY

SELF TUTORING - ONLINE VIDEO HELP

FREE

Khan Academy Biology: http://www.khanacademy.org/
Covers topics seen in a first year college or high school biology course.

Brightstorm Biology: http://www.brightstorm.com/science/biology/
Free online Biology video lessons to help students understand Biology concepts so that they can improve test and quiz scores and more easily complete homework assignments.

AP Biology: http://www.brightstorm.com/ap/ap-biology
AP prep courses that help you get ready for your AP exams. Great teachers on video explaining concepts and test taking strategies. Dozens of videos, practice quizzes and downloadable materials

Rediscovering Biology: Molecular and Global Perspectives:
http://www.learner.org/resources/series187.html
A video course for high school teachers; 13 half-hour video programs, course guide, and Web site; graduate credit available

Learners TV: http://www.learnerstv.com/course.php?cat=Biology
Free video lectures, video courses, science animations, lecture notes, online test, lecture presentations

Biology Animations:

1. **Biology I Animation, Movies and Interactive Tutorial Links:** *http://nhscience.lonestar.edu/biol/bio1int.htm*
2. **Sumanas Inc. Multimedia Development Services. Animation Gallery:** *http://www.sumanasinc.com/webcontent/animation.html*
3. **Animated Tutorials: General Biology:** *http://www.sumanasinc.com/webcontent/animations/biology.html*
4. **Learners TV:** *http://www.learnerstv.com/animation/animationcategory.php?cat=biology*
5. **Biological Animations:** *http://www.stolaf.edu/people/giannini/biological%20anamations.html*
6. **Cells Alive:** *http://www.cellsalive.com/*
7. **Biology Animations:** *http://biology-animations.blogspot.ca/search/label/amino%20acids*
8. **Bio Studio. Technical Visuals That Win:** *http://www.biostudio.com/a_sitemap.htm*
9. **Bio Visions (Harvard U):** *http://multimedia.mcb.harvard.edu/*
10. **Marian Koshland Bioscience and Natural Resources Library:** *http://lib.berkeley.edu/BIOS/animation.html*
11. **Destiny. Biology Animations:** *http://bio-animations.blogspot.ca/*
12. **Lew-Port's Biology Place**: *http://www.lpscience.fatcow.com/jwanamaker/animations.htm*
13. **Discover Biology. Animations:** *http://www.wwnorton.com/college/biology/discoverbio3/full/content/index/animations.asp*
14. **DNA Learning Centre. Biology Animation Library:** *http://www.dnalc.org/resources/animations/*
15. **Raven, Johnson, Losos, Singer. Biology, 7th ed.:** *http://highered.mcgraw-hill.com/sites/dl/free/0072437316/120060/ravenanimation.html*
16. **MIT Open Courseware:** *http://ocw.mit.edu/high-school/biology/*
17. **Virtual Cell Animation Collection:** *http://vcell.ndsu.nodak.edu/animations/*
18. **106 In-depth Biology Tutorials:** *http://bcs.whfreeman.com/thelifewire/content/chp00/00020.html*
19. **Carnegie Mellon U. Department of Biological Sciences. Interactive Animations:** *http://telstar.ote.cmu.edu/biology/animation/*

20. **BioEd Online:** *http://www.bioedonline.org/presentations/*

AT A COST

The Great Courses: www.thegreatcourses.com

Designed to meet the powerful demand for lifelong learning, The Great Courses is an intellectual engaging series of video and audio courses led by the world's best professors and experts in diverse fields such as philosophy, history, literature, science, and the arts. The Great Courses currently maintains a catalog of more than 350 courses delivered by great teachers from the Ivy League, Stanford, Georgetown, and other leading colleges and universities.

The Great Courses: Major Transitions in Evolution, taught by Anthony Martin and John Hawks
http://www.thegreatcourses.com/tgc/courses/course_detail.aspx?cid=1518

Major Transitions in Evolution *tells this science-detective story in 24 lavishly illustrated lectures that focus on the giant leaps that gave rise to nature's boundless diversity. In a course of breathtaking scope, you study the conditions that led to the first complex cells, flying insects, flowering plants, mammals, modern humans, and many other breakthroughs. And in the process of studying the past, you gain a powerful understanding of the present world.*

The Great Courses: Understanding the Human Body: An Introduction to Anatomy and Physiology

Taught by Professor Anthony A. Goodman, M.D., Cornell Medical College, Montana State University
http://www.thegreatcourses.com/tgc/courses/course_detail.aspx?cid=160

Your guide is Dr. Anthony A. Goodman—surgeon, professor, and writer—who takes you step by step through the major systems of the body, explaining exactly how things work and why they sometimes don't.

The Great Courses: Understanding the Brain - taught By Professor Jeannette Norden, Ph.D., Vanderbilt University School of Medicine, Vanderbilt University
http://www.thegreatcourses.com/tgc/courses/course_detail.aspx?cid=1580

Understanding the Brain*, a 36-lecture course by award-winning Professor Jeanette Norden of Vanderbilt University School of Medicine, takes you inside this astonishingly complex organ and shows you how it works, from the gross level of its organization to the molecular level of how cells in the brain communicate.*

The Great Courses: Biology: The Science of Life, Taught by Professor Stephen Nowicki, Ph.D., Cornell University, Duke University
http://www.thegreatcourses.com/tgc/courses/course_detail.aspx?cid=1500

*One of the greatest scientific feats of our era is the astonishing progress made in understanding the intricate machinery of life. We are living in the most productive phase so far in this quest, as researchers delve ever deeper into the workings of living systems, turning their discoveries into new medical treatments, improved methods of growing food, and innovative new products. "**The 21st century will be the century of biological science**, just as the 20th century was the century of physical science," predicts Professor Stephen Nowicki, an award-winning teacher at Duke University who has specially adapted his acclaimed introductory biology course for The Teaching Company to bring you up to date on one of the most important fields of knowledge of our time. **This intensive, 72-lecture course** will give you the background and guidance to explore in depth the fundamental principles of how living things work—principles such as evolution by natural selection, the cellular structure of organisms, the DNA theory of inheritance, and other key ideas that will help you appreciate the marvelous diversity and complexity of life.*

The Great Courses: Biology and Human Behavior: The Neurological Origins of Individuality, 2nd Edition, Taught by Professor Robert Sapolsky, Stanford University, Ph.D., Rockefeller University
http://www.thegreatcourses.com/tgc/courses/course_detail.aspx?cid=1597

When are we responsible for our own actions, and when are we in the grip of biological forces beyond our control? This intriguing question is the scientific province of behavioral biology, a field that explores interactions among the brain, mind, body, and environment that have a surprising influence on how we behave—from the people we fall in love with, to the intensity of our spiritual lives, to the degree of our aggressive impulses. In short, it is the study of how our brains make us the individuals that we are.

Biology and Human Behavior: The Neurological Origins of Individuality, 2nd Edition, is an interdisciplinary approach to this fascinating subject. In 24 lectures, you will investigate how the human brain is sculpted by evolution, constrained or freed by genes, shaped by early experience, modulated by hormones, and otherwise influenced to produce a wide range of behaviors, some of them abnormal. You will see that little can be explained by thinking about any one of these factors alone because some combination of influences is almost always at work.