

Recommended Study Channels and Websites

Biology:

Bozeman Science: Professor Anderson is great at teaching material and always has relatable figures. He has created hundreds of science videos that have been viewed millions of times by learners around the world. His video essentials for AP Biology, AP Chemistry, AP Environmental Science, and AP Physics 1&2 are aligned to the AP curriculum. He also has created a series of videos on the Next Generation Science Standards.

<https://www.youtube.com/channel/UCEik-U3T6u6JA0XiHLbNbOw>

Khan Academy Biology Series: Biology playlist that starts with evolution and natural selection.

<https://www.youtube.com/watch?v=GcgjWov7mTM&list=PL7A9646BC5110CF64>

CrashCourse (Biology Playlist): Crash course is great, but he talks really fast and gives a more conceptual overview of the material. I would start with Crash Course and then use Bozeman Science and Khan Academy for more a more detailed understanding. Hank makes the content super relatable and adds humor.

https://www.youtube.com/watch?v=8kK2zWjRV0M&list=RDQMeR0k4jiSBaM&start_radio=1

Chemistry:

Tyler DeWitt: Tyler is very passionate about teaching chemistry. He breaks things down succinctly and by using a step-by-step process. He also encourages interaction by asking questions and posing practice problems towards the end of his videos.

<https://www.youtube.com/channel/UCj3EXpr5v35g3peVWnVL0ew>

Khan Academy: Videos, text, and interactive quizzes make this website really good for locking in the information. Sal walks through problems slowly, using easy-to-understand examples. He also gives great examples on how to set up problems.

<https://www.khanacademy.org/science/chemistry>

Crash Course (Chemistry Playlist): Hank is fun and helps to describe conceptual ideas around chemistry. He's funny and makes the content super relatable! He does talk very quickly though so some students listen to his videos a few times or watch it at a slower speed. I'd suggest watching his videos first to gain a conceptual understanding, and then watch Khan Academy or Tyler for procedures.

<https://www.youtube.com/playlist?list=PL8dPuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr>

The Organic Chemistry Tutor (General Chemistry Playlist): The O-chem tutor can be a little dry, but is slow and methodical in his explanations. He is best for a learner who really needs concepts explained clearly or needs guidance on how to set-up problems.

Conversion, Density, Charge, Ionic and Covalent Bonding, Isotopes, Stoichiometry, Percent Composition, Electrolytes, Solubility Rules, Molarity, Gases, Boyle's Law, Avogadro's Law, Thermochemistry, Orbitals, Quantum Numbers, Lewis Structures, and more

https://www.youtube.com/playlist?list=PL0o_zxa4K1BWziAvOKdqsMFSB_MyyLAqS

The Organic Chemistry Tutor (Organic Chemistry Playlist): Lewis Structures, Charge, Kekule Structures, VSEPR, pKa & Acid Strength, Electronegativity, Newman Projections, Cycloalkanes, Entantimors, Oxymercuration, Hydroboration, Stereochemistry, Alcohol Oxidation, Spectroscopy, and more

https://www.youtube.com/playlist?list=PL0o_zxa4K1BXP7TUO7656wg0uF1xYnwgM

Calculus:

MathIsPower4U: Very succinct and explanatory videos for calculus.

<http://www.mathispower4u.com/calculus.php> You can sort by topic here.

Khan Academy: Videos, text, and interactive quizzes make this website really good for locking in the information.

<https://www.khanacademy.org/math/calculus-all-old>

Physics:

Bozeman Science Physics 1 (Objects, Systems, Fields, Forces, Interactions, Conservation Laws, Waves, Quantum Mechanics): <http://www.bozemanscience.com/ap-physics>

Bozeman Science Physics 2 (Scientific Method, Motion & Speed, Laws, Energy, Work, Thermal Energy, Electricity, Magnetism, Waves, Sound & Light, Mirrors & Lenses):

<http://www.bozemanscience.com/physics>

Crash Course (Physics Playlist): Thermodynamics, Engines, Electric Charge, Voltage, Kirchoff, Magnetism, Ampere's Law, AC Circuits, Maxwell Equations, Geometric Optics, Waves, Special Relativity, Quantum Mechanics, Nuclear Physics, and more

<https://thecrashcourse.com/courses/physics>

The Organic Chemistry Tutor (Physics Playlist): Conversion, Displacement, Acceleration & Velocity, Kinematics, Newton's Law, Plane Physics, Tension Forces, Free body Diagrams, Work, Hooke's Law, Rocket Propulsion, Practice Problems

https://www.youtube.com/playlist?list=PL0o_zxa4K1BU6wPPLDsoTj1_wEf0LSNeR

Environmental Science, Ecology & Earth Sciences

Bozeman Science (Environmental Science): Earth Systems, Resources, Diversity, Population, Agriculture, Energy Resources, Consumption, Pollution, Global Change
<http://www.bozemanscience.com/ap-physics>

Bozeman Science (Earth Science): Factor Label Method, Matter, Rocks & Minerals, Tectonics, Geology, Earth Interior, Oceanography, Meteorology, CLimatology, Astronomy, Solar System, Universe
<http://www.bozemanscience.com/earth-science>

Crash Course (Ecology Playlist): Conservation, Restoration, Pollution, Nitrogen & Phosphorus Cycles, Hydrologic & Carbon Cycles, Ecosystems, Community Ecology, History of Life
<https://thecrashcourse.com/courses/ecology>

Philosophy:

Crash Course (Philosophy Playlist): Determinism, Free Will, Language, Natural Law Theory, Metaethics, Aesthetics, Aristotle, Hobbes, Utilitarianism, Kant, Morality, Non-human Animals, Assisted Death, Poverty, and more.
<https://thecrashcourse.com/courses/philosophy>

Psychology:

Crash Course (Psychology Playlist): Motivation, Morality, Adolescence, Rorschach, Freud, Bias, Sexual Differences, Psychological Disorders, Trauma, Addiction, Biomedical Treatments, Social Thinking, Prejudice, Aggression, Altruism
<https://thecrashcourse.com/courses/psychology>

Sociology:

Crash Course (Sociology Playlist): Socialization, Social Groups, Organizations, Crime, Social Stratification, Social Class, Poverty, Social Mobility, Sex & Sexuality, Gender Theory, Race and Ethnicity, Discrimination, Age, Family and Marriage Theories

How to Study Well:

Crash Course (Study Skills Playlist): Taking Notes, Reading Assignments, Memory, Planning & Organization, Focus and Concentration, Procrastination, Exams, Test Anxiety, Papers and Essays, Exercise

<https://thecrashcourse.com/courses/studyskills>