

KINDERGARTEN

<https://www.k5learning.com/free-preschool-kindergarten-worksheets>

- Worksheets with answer keys to learn letters, sounds, reading, writing, numbers and other kindergarten skills

<https://www.education.com/games/kindergarten/>

- Comprehensive library of kindergarten resources from games, worksheets, lesson plans, and more

<https://www.wilbooks.com/free-resources-free-online-books-kindergarten>

- Access to quality children's books

<https://jr.brainpop.com/>

- Animated educational site for kids—science, social studies, English, math, humanities, and more

GRADES 1-8

Math

<https://www.onlinemathlearning.com/free-math-worksheets.html>

- Online interactive worksheets organized by grades and topics

<https://www.k5learning.com/free-math-worksheets>

- Math worksheets for grades K-6

<https://www.helpingwithmath.com/>

- Math resources for grades K-8, including worksheets, multiplication charts and tables, number lines, and calculators. Interactive lessons and quizzes included

English/Reading

<https://www.k5learning.com/free-grammar-worksheets>

- Grammar worksheets for grades 1-5; organized by grades and topics

<https://www.k5learning.com/spelling-worksheets>

- Spelling worksheets for grades 1-5 to practice and improve spelling

<https://www.k5learning.com/reading-comprehension-worksheets>

- Reading comprehension worksheets for grades 1-5 organized by topics

<https://www.k5learning.com/vocabulary-worksheets>

- Vocabulary worksheets to practice and improve vocabulary, word recognition, and word usage

<https://www.k12reader.com/grade-level/grades-k-12/grades-6-8/>

- Worksheets and organizational tools that teach basic skills and help reading, writing, and spelling mastery for grades 6-8

GRADES 9-12

Math

<https://www.mathplanet.com/>

- Online resource with lessons in high school math courses: pre-algebra, algebra 1, algebra 2, geometry, and ACT/SAT prep

<https://www.onlinemathlearning.com/grade-9.html>

- Videos, lessons, and worksheets for algebra 1 and geometry

<https://www.onlinemathlearning.com/grade-11.html>

- Videos, lessons, and worksheets for algebra 2

<https://www.canfigureit.com/>

- Interactive tool/workspace for students to practice geometric proofs while exercising deductive reasoning (free login/registration required)

<https://www.desmos.com/>

- Various math tools including graphing calculator, scientific calculator, and geometry tools

English/Reading/Writing

<https://www.k12reader.com/grade-level/grades-k-12/grades-9-12/>

- Worksheets for grades 9-12 for reading, writing, and spelling mastery

<https://www.khanacademy.org/humanities/grammar>

- Grammar lessons and practice for high school students. Covers parts of speech, punctuation, syntax, and usage and style

Science

<https://files.nc.gov/dpi/documents/curriculum/science/scos/support-tools/organizers/science/interdependence.pdf>

- North Carolina Department of Public Instruction: Instructional Support Tools with models and organizers included

<https://www.hippocampus.org/HippoCampus/>

- Videos, animations, and simulations on high school concepts including math, natural science, social science, and humanities

<https://stellarium-web.org/>

- An interactive website that allows students to explore stars, search for planets and more

<https://learninglab.si.edu/#>

- Learning labs and interactive labs for science, social studies, humanities, and more

Environmental Science:

<https://serc.carleton.edu/eslabs/index.html>

- Labs and activities

<https://files.nc.gov/dpi/documents/accountability/testing/common-exams/released-items/highschoolitems/eescirelease14.pdf>

- Released final exam for earth/environmental science with answer key

<http://has.concord.org/index.html#interactives>

- Extensive lessons and interactive modules

Biology:

<https://www.khanacademy.org/science/high-school-biology>

<https://www.cellsalive.com/>

- Lessons, worksheets, interactive models, and PPT for cells, microbes and immune system

<https://concord.org/lp/high-school-biology.html>

- Visual simulations of various biology concepts

Chemistry:

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

<https://interactives.ck12.org/simulations/chemistry.html>

- Simulations of various chemistry concepts

<https://ptable.com/>

- Dynamic periodic table

Physics:

<https://interactives.ck12.org/simulations/physics.html>

- Simulations of various physics concepts

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

<https://www.physicsclassroom.com/class>

- Extensive tutorials, lessons, and interactive modules over various contents

Useful Resources

https://owl.purdue.edu/owl/purdue_owl.html

- Writing resources and instructional material to assist with many writing projects including general writing tips, research and citation, subject-specific writing, ESOL lessons, and more

<https://www.youtube.com/education>

- YouTube's channel on education

<https://www.ck12.org/student/>

- STEM and social studies resource with highly customizable content that provides various learning styles to help all students from K-12 master content

<https://phet.colorado.edu/>

- Science and math simulations for K-12

<https://www.youtube.com/user/crashcourse/videos>

- Educational YouTube channel with various 10 minutes videos covering the basics of complex topics