

Physics on the Internet

Links

MIT Courses

<http://ocw.mit.edu/index.htm>

Regular classes Video taped classes, lecture notes

Itune U – apple itunes

Complete courses – mostly video

Apple text books

<http://www.apple.com/education/>

The new text book - but not there yet at least for physics (animated gifs only)

Openstax books

<http://openstaxcollege.org/>

free college (advanced hs) material coming

Phys-L - A listserv discussion physics and physics teaching. Good place to ask serious questions

<https://carnot.physics.buffalo.edu/mailman/listinfo/phys-l>

Experts exchange

<http://www.experts-exchange.com/whatIsEE.jsp>

here you can ask specific questions and get quick answers.

Ask Dr Math

<http://mathforum.org/dr.math/>

short answers to math questions

Wolfram Alpha

<http://www.wolframalpha.com/>

<http://www.wolframalpha.com/educators/>

math answeres (and much more)

Free (MIT) mechanics course FE 29 deadline

<http://relate.mit.edu/physicscourse>

CERN

<http://education.web.cern.ch/education/Chapter2/Intro.html>

Khan Academy

<http://www.khanacademy.org/>

10 min videos on thousands of math, physics, and other topics. Good for students and teachers.
Homework tracking

Compadre

<http://www.compadre.org/>

a great source of many things

Minds on Physics (homework problems)

<http://www.physicsclassroom.com/mop/module.cfm>

centripetal force mind on problem note random numbers

Energy Unit example

<http://www.compadre.org/precollege/items/detail.cfm?ID=3376>

good energy unit

Simulation

The web at its best

<http://www.compadre.org/precollege/items/detail.cfm?ID=6883>

Physletts

<http://webphysics.davidson.edu/applets/applets.html>

Some more local information

<http://swaapt.gzxservices.com>