

## Earth/Space/Physics Course Resources

*Items in this bulleted list are available by request from WK Gear Up -*

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- KDE Course Document (with NGSS performance expectations)
- Standards Pages (from NGSS)
- Earth/Space/Physics course sequence (WK Gear Up bundles)
- Physics I course sequence
- Essential Practices and Vocabulary for 9th grade integrated, physics
- DCI Progressions (ESS1, ESS2, ESS3, PS1, PS2, PS3, PS4)

Remember to use your TEXTBOOK and other curriculum resources available.

Ask others in your department if they have resources you could use.

Reach out to WK Gear Up - we can connect you to teachers in other districts who will share.

### **\*Online Resources:**

National Science Teaching Association NGSS Hub - <https://ngss.nsta.org/>

*Activities, links, 3D, etc.*

[www.ptable.com](http://www.ptable.com) - printable tables - a variety of formats

[www.concord.org](http://www.concord.org) - Concord Consortium - search under "resources" (chem, hs) -- interactive models, lessons

[www.webelements.com](http://www.webelements.com) -- different table arrangements -- good to show periodicity of the table

[www.wonderofscience.com](http://www.wonderofscience.com) -- standards aligned resources, assessments, videos, lesson ideas

[www.betterlesson.com](http://www.betterlesson.com) -- teacher submitted lessons; can be searched by NGSS PE (many are based on 5E lesson model)

[www.ck12.org](http://www.ck12.org) - readings with questions about subjects, lessons, videos

NEW from CK-12: physics simulations

<https://interactives.ck12.org/simulations/physics.html?referrer=simulation&simulationName=decomposition-reaction>

<https://www.thoughtco.com/physics-4133571> - science articles

<https://www.physicsclassroom.com/> - physics interactives

<https://www.netlogoweb.org/launch#https://www.netlogoweb.org/assets/modelslib/Sample%20Models/Earth%20Science/Erosion.nlogo> - Net Logo – computer simulations

<https://phet.colorado.edu/> - PHeT simulations

<https://www.earthsciweek.org/classroom-activities> - Earth Science Week

<https://www.jpl.nasa.gov/edu/teach/tag/search/Earth+Science> - NASA

<https://www.calacademy.org/educators/earth-science-activities> - CA Academy of Sciences

\*See [Online Science Resource Links - MS/HS](#) for more online resources