Full-course, Textbook, or Unit Open Educational Resource Options for District Consideration

science

| Grade Band | Developer  org. or district | License | Obtain Materials  fees involved for different delivery platforms | Comments |
| --- | --- | --- | --- | --- |
| K-12 | [Next Generation Science Storylines](https://www.nextgenstorylines.org/) | [CC BY](https://creativecommons.org/licenses/by/4.0/) | [Next Generation Science Storylines website](https://www.nextgenstorylines.org/what-are-storylines) | *Use: Not a full course but very robust lessons, that include teacher guide, materials list, and student activity sheets*  *Delivery options: online viewing, PDF download*  *Professional learning:* [*Tools for Creating and Working with Storylines*](https://www.nextgenstorylines.org/tools) |
| K-12 | [CK-12](https://www.ck12.org) | [CC BY NC](https://creativecommons.org/licenses/by-nc/3.0/) | [CK-12 Science Flexbooks](https://www.ck12.org/teacher/) | *Delivery options: online viewing, digital platform, some PDF download*  *Professional learning:*[*CK-12 Certified Educator Program*](https://www.ck12info.org/about/certifiededucator/) |
| K-12 | [Going 3D Project](https://sites.google.com/3d-grcscience.org/going3d/home) | [CC BY SA](https://creativecommons.org/licenses/by-sa/4.0/) | [Phenomenal GRC (Gather, Reason, Communicate) Lessons](https://sites.google.com/3d-grcscience.org/going3d/home) | *Use: Not a full course but very robust lessons*  *Delivery options: Google docs*  *Professional learning:* [*GRC Lesson Resources*](https://sites.google.com/3d-grcscience.org/going3d/grc-lesson-resources) |
| K-5 | [University of Northwest Iowa](https://uni.edu/) | unclear | [Assist Science](https://sites.google.com/uni.edu/welcome-to-assist-science) | *Use: Not a full course but very robust lessons - 4th and 5th grade are still being added to should be finalized around Dec. 2020*  *Delivery options: Google docs*  *Professional learning:* [*Dialogic talk moves and strategies*](https://sites.google.com/uni.edu/welcome-to-assist-science/home/learn-from-the-experts) |
| 1-5 | [Match Education](https://www.matchfishtank.org/) | [CC BY NC SA](https://creativecommons.org/licenses/by-nc-sa/4.0/) | [Match Fishtank  Science and Social Studies](https://www.matchfishtank.org/curriculum/science-and-social-studies/) | *Delivery options: online viewing, PDF download*  *Professional learning:*[*Match Fishtank Teacher Tools*](https://www.matchfishtank.org/teacher-tools/#Math_Guides)  *Paid support and additional resources:* [*Fishtank plus*](https://www.matchfishtank.org/fishtank-plus/) |
| 3-12 | [Utah State Office of Education](https://www.schools.utah.gov/) | [CC BY NC SA](https://creativecommons.org/licenses/by-nc-sa/4.0/) | [Utah Education Network website](https://www.uen.org/oer/) | *Textbooks adapted from CK-12*  *Research:* [*The Impact of Open Science Textbooks on Secondary Learning Outcomes*](https://journals.sagepub.com/doi/full/10.3102/0013189X14550275) |
| 3-5 | [Core Knowledge Foundation](https://www.coreknowledge.org/) | [CC BY NC SA](https://creativecommons.org/licenses/by-nc-sa/4.0/) | [Core Knowledge Science](https://www.coreknowledge.org/curriculum/science/) (CKSci™) | *Delivery options: downloadable PDF, print purchase*  *Professional learning:* [*free professional development kits and resources, paid school-based training and leadership institutes*](https://www.coreknowledge.org/implementation/professional-development/) |
| 5-12 | [iLearn Collaborative](https://www.ilearncollaborative.org/) | CC BY SA | [Digital Content Warehouse](https://www.ilearncollaborative.org/digital-content-warehouse) | *Modest membership fees apply.* |
| 6-8 | [OpenSciEd](https://www.openscied.org/) | [CC BY](https://creativecommons.org/licenses/by/4.0/) | [OpenSciEd](https://www.openscied.org/access-the-materials/) (pdf)  [Kendall Hunt](https://k12.kendallhunt.com/open-sci-ed) (print)  AquaPhoenix (kit coming soon) | *Use: 3 units available now, more coming soon*  *Delivery options: online viewing, PDF download, print purchase*  *Professional learning:* [*Professional Learning Materials*](https://www.openscied.org/access-the-pd-materials/) |
| 6-8 | [Stanford Graduate School of Education](https://ed.stanford.edu/) | Varies by unit some CC BY ND some CC BY NC | [Stanford SCALE website](https://scienceeducation.stanford.edu/curriculum) | *Delivery options: PDF download*  [*Professional development opportunities*](https://scienceeducation.stanford.edu/professional-development) |
| 6-12 | [University of Connecticut](https://uconn.edu/) | Unclear - *Trying to reach out for clarification* | [Secondary Science Modules](https://secondarysciencemodules.uconn.edu/) | *Use: Not a full course but very robust lessons*  *Delivery options: online viewing, PDF download* |
| 9-12 | [Portland Metro STEM Partnership](https://www.pdxstem.org/) - Patterns High School Science Sequence | [CC BY NC SA](https://creativecommons.org/licenses/by-nc-sa/4.0/) | [Patterns website](https://www.pdxstem.org/hs-science)  *Physics, Chemistry, Biology* | *Delivery options: Google docs*  *Professional learning* [*Educator workshops*](https://www.pdxstem.org/professional-development) |
| AP Biology | [OpenStax](https://openstax.org/) | [CC BY](https://creativecommons.org/licenses/by/4.0/) | [OpenStax website](https://openstax.org/details/books/biology-ap-courses) | *Use: full course designed to meet and exceed the requirements of the College Board’s AP® Biology framework*  *Delivery options: online viewing, PDF download, smartphone app, Kindle download, print purchase* |
| AP Environmental Science | [George Lucas Research Foundation](https://sprocket.lucasedresearch.org/) | CC BY | [Sprocket website](https://sprocket.lucasedresearch.org/apes) | *Delivery options: available as a free open education resource to educators, instructors, and administrators. Sprocket is designed for teacher access only and is not open to students. Access by request..* |
| AP Physics | [OpenStax](https://openstax.org/) | [CC BY](https://creativecommons.org/licenses/by/4.0/) | [OpenStax website](https://openstax.org/details/books/college-physics-ap-courses) | *Use: full course designed to meet and exceed the requirements of the College Board’s AP® Physics framework*  *Delivery options: online viewing, PDF download, smartphone app, Kindle download, print purchase* |
| Biology | Denver Public Schools, University of Colorado Boulder, Northwestern | [CC BY](http://creativecommons.org/licenses/by/4.0/) | [InquiryHub HS Biology](https://docs.google.com/document/d/1HjJyvvFp73VTXdDIUuonb40SGLUQYGIEjZxyCsZS0iw/edit) | *Use: full course*  *Delivery options: online viewing, PDF download* |



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