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| GEOLOGY / GEMOLOGY: 3rd-5th Grade |
| Week # | Unit Title | Online Content Links |
| 1 | What is a gem? | <https://www.123homeschool4me.com/layers-of-the-earth-worksheets/>  |
| 2 | Rocks -vs- Minerals and Igneous Rocks | <https://www.science-sparks.com/create-your-own-rock-lab-rocks-for-kids/>  |
| 3 | Sedimentary Rocks | <https://www.youtube.com/watch?v=tCHiRGTZD8Q>  |
| 4 | Metamorphic Rocks | <http://www.thudscave.com/petroglyphs/pdf/rockcycle.pdf>  |
| 5 | Types of Gems and Inorganic Gems |  |
| 6 | Organic Gems | <https://craftsbyamanda.com/coffee-ground-fossils/#wprm-recipe-container-21419>  |
| 7 | Gem Properties | <https://cdn.cocodoc.com/cocodoc-form-pdf/pdf/340556774--PAPER-CRYSTAL-STURCTURE-Coventry-Schools-coventryschools-.pdf?download=1>  |
| 8 | Weathering and Erosion | <https://www.generationgenius.com/wp-content/uploads/2018/03/Weathering-and-Erosion-Lesson-Plan-GG.pdf>  |
| 9 | Hydraulic Mining | <https://www.e-education.psu.edu/geog000/node/884>  |
| 10 | Closed for Veterans Day | Closed for Veterans Day |
| 11 | Underground Mining | <https://www.gemporia.com/en-us/gemology-hub/article/793/how-they-do-it-gemstone-mining/> <https://www.gemsociety.org/article/gemology-kids-games-activities/> |
| 12 | Closed for Thanksgiving Break | Closed for Thanksgiving Break |
| 13 | River Mining | <https://www.gemporia.com/en-us/gemology-hub/article/793/how-they-do-it-gemstone-mining/> <https://www.allrecipes.com/recipe/240641/salt-dough/>  |
| 14 | Open Cast Mining | <https://www.gemporia.com/en-us/gemology-hub/article/793/how-they-do-it-gemstone-mining/> <https://www.oresomeresources.com/wp-content/uploads/2021/05/Worksheet-Impact-Diagram-EMIQ-PDF-1.pdf> |
| 15 | Sea Mining | <https://www.gemporia.com/en-us/gemology-hub/article/793/how-they-do-it-gemstone-mining/> <https://production-new-commonwealth-files.s3.eu-west-2.amazonaws.com/migrated/inline/TreasuresOfTheDeep_PDF-ebook%20small.pdf>  |