Dear 1st Grade teachers,

We hope you like the "Bucket 'O Rocks" we have prepared for you with different samples of (mainly) North Carolina rocks. The activities included here are meant to be a primer for the rock unit and would pave the way for other activities looking at more in-depth properties of rocks. We have set up the activities as "centers" so they can be done in one lesson.

These activities align with NC Science Standard *"1.E.2. Understand the physical properties of Earth materials that make them useful in different ways."*

Our resources are always a work in progress, we are constantly adapting them and adding to them. We welcome any feedback you may have on the Bucket 'O Rocks or suggestions for future resources that might be useful for elementary teachers. For the most updated 1st grade earth science resources at ASU, go to: https://mckinneymuseum.appstate.edu/school-groups/k-2-groups.

The "Magnificent Minerals" learning cycle and a visit to the McKinney Geology Teaching Museum and Rock Garden at ASU are a great follow up to this rock lesson and also align with NCSES 1.E.2.1. (see https://mckinneymuseum.appstate.edu/magnificent_minerals)

Please feel free to contact us with any questions about Earth Science education or K12 outreach opportunities at ASU's Department of Geological and Environmental Sciences. We would be happy to visit your classroom, Skype in, lend you materials, or host your class for an interactive tour of our facilities.

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Some great books for introducing rocks 1st grade and to use as reference: