

2023 Research Problems in Geology, Geography and Geosciences

The South Mountain Research Corps will support academic and student-focused research in Geology, Geography, Geosciences and related disciplines in the South Mountain region of southcentral Pennsylvania in Adams, Cumberland, Franklin, and York counties. The geological and geographical contexts of the South Mountain landscape include large areas of Karst topography in the Cumberland Valley, the metamorphic and igneous geology of the South Mountain itself, and areas of Triassic geology on the east side of the South Mountain. The following is a list of potential research and monitoring priorities provided by local partners that could be conducted on public or private lands within the South Mountain region.

- The study of the subterranean movement and chemistry of water within the karst topography of the Cumberland Valley.
- Additional research and public education efforts focused on the South Mountain metarhyolite quarries on and near the Michaux State Forest
- The development of Middle School and High School geography curriculum focused on the South Mountain Landscape.

For more information on this problem statement and associated topics, please contact Joe Baker at southmountinscience@gmail.com.