

# EXPERIMENTAL MINE

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## Bridge School Road Dr. Kyle Perry (faculty member responsible)

The Experimental Mine, situated on Bridge School Road 1.5 miles from the main campus, consists of 25 acres of surface and underground facilities which provide excellent opportunities for mineral engineering teaching and research. The surface land includes several dolomite quarries. The underground workings consist of four shafts and approximately 2,000 feet of single-level drifts.

This excellent teaching facility is equipped with a variety of mine-related equipment which offers practical hands-on experience in critical topics. This includes air compressors, rock drills, mucking machines, blasting seismography, extensometers, machine shop, and surveying instruments. A complete ventilating fan system is connected to the underground area, appropriately installed for experimental data collection. The Kennedy Experimental Mine Building, completed in 2016, houses three classrooms for instruction, laboratory spaces, and offices.

Recent faculty and students research has been conducted in the areas of rock blasting, mine ventilation and atmospheric control, rock mechanics, and explosion effects. The quality of facilities is indicated by the frequency of requests for government and industrial use of the premises. Student projects, however, retain priority on this equipment and the working areas.

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