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To: [Faculty Senate](#); [Veronica Eliasson](#); [Merritt Enders](#)
Subject: Signature Student Experience: 12-hour Mineathon
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12-hour Mineathon at the Edgar Mine/Explosives Research Laboratory

Name of proposers/departments: Veriona Eliasson (Mechanical Engineering) and Elizabeth Holley (Mining Engineering)

Project summary:

We propose a 12-hour Mineathon which brings interdisciplinary teams of students to the Edgar Mine to solve a practical problem: how to modernize mining for the carbon-free economy? In the Mines@150 version of a “makeathon,” students will develop and pitch creative ideas to a panel of industry judges, using knowledge from coursework, equipment available at the mine facility used to demonstrate current practices, and outside guests and resources accessible by internet from the mine. Teams will be invited from the Mines ISEE, SME and ASME chapters, as well as senior design groups and other interested students. Judges will be invited from companies that might be interested in recruiting the students, or interested in sponsorship of the competition. This activity will facilitate creative, cross-campus problem solving of a real-world issue central to Mines@150, providing a memorable experience of contextualized learning at teamwork at one of our best and most underutilized teaching venues: the Edgar mine.

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