FOSSILS
THE PATH OF THE PALEONTOLOGIST
GRADES 9-12

Come study alongside paleontologists and future paleontology graduates at our brand new, state-of-the-art facility! Fossils camp gives students a chance to get messy in the field while learning all about Paleontology.

July 8-13, 2018
Room & Board Provided
$975

MINING & EXPLOSIVES
ENGINEERING INSTITUTE
GRADES 9-12

Our Mining and Explosives Engineering Institute is a camp that you won’t find anywhere else. You will get the chance to learn about mining engineering and the science behind explosives. Field trips to watch blasts are included in this one-of-a-kind camp experience!

June 17-22, 2018
Room & Board Provided
$975

GEOLOGY ROCKS!
YOUTH FIELD CAMP IN THE BLACK HILLS
GRADES 9-12

Come learn about the fascinating world of geology and geological engineering while surrounding yourself with all the beautiful Black Hills has to offer! Students in this camp will learn about oil and gas production and exploration, minerals and rocks, and much more! Participants will be living out in the field for 3 of the 5 days in this hands-on learning adventure!

July 8-13, 2018
Room & Board Provided
$975

WILD WEATHER
THE SCIENCE BEHIND WEATHER & CLIMATE
GRADES 9-12

Spend a week studying the weather in western South Dakota, home to some of the wildest weather in the country. Campers will join our atmospheric and environmental sciences faculty taking observations of the atmosphere around the Black Hills while learning the basics of weather forecasting and the fundamental science behind the weather systems we experience every day.

June 10-15, 2018
Room & Board Provided
$975

3D & BEYOND!
MECHANICAL ENGINEERING IN THE NEW WORLD
GRADES 9-12

Spend the week with the SD Mines mechanical engineering department getting hands-on experience with 3D printing technology. Students will design a product from concept to prototype using computer-aided design and produce a finished product on our state-of-the-art 3D printers. Mechanical engineering is a broad field that provides opportunities for interesting and challenging work in every phase of modern technology. 3D and Beyond! is a great introduction to the cutting-edge, exciting world of mechanical engineering.

July 15-20, 2018
Room & Board Provided
$975

CAMP CONSTRUCT
CIVIL & ENVIRONMENTAL ENGINEERING
GRADES 9-12

Spend the best week of your summer designing, building, and testing your own structure, creating energy from waste, watching water flow uphill, and seeing how the earth changes during an earthquake.

June 17-22, 2018
Room & Board Provided
$975
GREEN CHEMISTRY  
TREAT THE EARTH WITH RESPECT  
GRADES 9-12  
For More Information: Dr. Dorothy Filipova (605) 394-2421  
Dorothy.Filipova@sdsmt.edu  
This week-long summer program offers a perfect combination of innovative hands-on curriculum and fun! Through experiments and discussions, the Green Chemistry camp seeks to instill an enthusiasm and appreciation of the role of chemistry in everyday life and to promote a knowledgeable understanding of scientific issues. The camp is perfect for any student interested in pursuing a career in the science and medical fields.  
July 8-13, 2018 • Room & Board Provided • $975

CHEMICAL & BIOLOGICAL ENGINEERING INSTITUTE  
GRADES 9-12  
For More Information: Dr. Samuel Shove (605) 394-2421  
Samuel.Shove@sdsmt.edu  
Chemical and biological engineering is all about the world around us and how we can make it better. In this camp you will learn how to create biofuels, biopharmaceuticals, and even chocolate!  
July 8-13, 2018 • Room & Board Provided • $975

ASM MATERIALS, METALLURGY & FORENSICS  
GRADES 9-12  
For More Information: Dr. Siddar Vesta (605) 394-1281  
Siddar.Vesta@sdsmt.edu  
Metallurgical engineering involves turning resources into the high-performance materials and alloys that power the world. Students will conduct hands-on activities and field trips involved in three areas. Extraction – processing gold-bearing ore and visiting a working gold mine. Production – casting, blacksmithing, and welding. Performance – metal testing, characterization, and forensic investigation of failed components.  
July 8-13, 2018 Day Camp  
Tuition is free

ENTREPRENEUR BOOT CAMP  
INDUSTRIAL ENGINEERING  
GRADES 9-12  
In addition to learning firsthand from entrepreneurs, students participating in this camp will receive training in the National Institute of Standards Innovation Engineering program and will be immersed in business development from conception to implementation. Students will have access to industrial engineering’s state-of-the-art Innovation Laboratory which includes 3D printers, a laser engraver, and CNC machining equipment to model a prototype product.  
June 10-15, 2018  
Room & Board Provided  
$975

MODERN MANUFACTURING METHODS  
GRADES 6-8  
In addition to learning firsthand manufacturing methods, students participating in the Modern Manufacturing Methods Camp will be immersed in business development from conception to implementation.  
June 25-29, 2018  
Day Camp*  
$100

*Lunch and supplies are included; lunchroom menu, lunch, and transportation are not included and must be arranged by the family.