## 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 7-12, 2019**
- **Room & Board Provided**
- **$975**

## MINING & EXPLOSIVES
**ENGINEERING INSTITUTE**
**COMING HAVE A BLAST WITH US!**
**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 17-20, 2019**
- **Tuition is Free**

## 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 water, minerals and rocks, geologic maps and much more! Participants will be living out in the field for three of the five days in this hands-on learning adventure.

- **July 7-12, 2019**
- **Room & Board Provided**
- **$975**

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

Spend the week with the SD Mines faculty and students while 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. 3D Printing 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 engineering and its applications.

- **July 14-19, 2019**
- **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 9-14, 2019**
- **Room & Board Provided**
- **$975**

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*Lunch and supplies are included; however, room, board, and transportation are not included and must be arranged by the family.*
GENCYBER GIRLS CAMP
GRADERS 8-11

For more information: Tori Lehmann, (605) 394-2471, Tori.Lehmann@sdsmte.edu

Future Computer Scientists will love this all-girls hands-on camp that emphasizes cyber ethics, online safety, cyber security and defense.

Room & Board Provided
Tuition is Free pending funding from NSA Grant*

IT'S ROCKET SCIENCE
PHYSICS CAMP
GRADERS 9-12

ACTUALLY, FOR US, IT IS ROCKET SCIENCE!
In this camp we'll explore some of the many fields of physics, from Newtonian mechanics and the physics of weather systems; to particle physics, neutrinos and the search for dark matter; to astrophysics. We will visit state-of-the-art research laboratories, conduct our own experiments, and use what you learn to construct and launch your own rocket!

Room & Board Provided $975

GREEN CHEMISTRY
TREAT THE EARTH WITH RESPECT
GRADERS 9-12

For more information: Dr. Tsvetanka Filipova, (605) 390-0759, Tsvetanka.Filipova@sdsmte.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.

Room & Board Provided $975

CHEMICAL & BIOLOGICAL ENGINEERING INSTITUTE
GRADERS 9-12

For more information: Dr. David Dixon, (605) 394-2421, David.Dixon@sdsmte.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!

Room & Board Provided $975