The BPS Career Academy has course offerings for students in grades 9-12 that are geared toward career pathways. Each year, over 1,400 students from Bismarck, Mandan and the Wilton area enroll in courses offered at the Career Academy. Classes are two periods long each day to allow for the “hands-on” techniques that are delivered by experienced classroom instructors. Many classes include a variety of STEM-related topics and activities.

Camp days will begin at 8:30 am and end at 4:30 pm. Campers will bring their own lunch for a supervised lunch period. A morning and afternoon break will also be scheduled each day.

The STEM Camp will be led by the Gateway to Science Programs Director with assistance from student staff members. Activities will be planned and developed collaboratively by Career Academy faculty members and Gateway to Science education staff. The camp week will include exploration within a variety of the subject areas offered at the Career Academy, including activities such as:

- **Aviation** – Learn basic flying concepts by manufacturing and flying foam gliders, use lab flight simulators, and introduction to drones.

- **Drones** – A Lego Flybrix build-a-drone session.

- **Graphic Design** – Students will use Adobe illustrator to design personalized buttons and T-shirts.

- **Medical-Related Careers** – Explore activities related to health care professionals including learning vital signs and sports medicine taping, and using a high-fidelity simulator manikin and surgery simulators.

- **Welding** – What is welding? How does welding work? Is it for me? Is it safe? All of these questions will be answered and performed in the Gateway to Science welding seminar. Students will be educated on welding safety, power tools and equipment, and welding techniques. Students will experience Shielded Metal Arc Welding (Stick), Gas Metal Arc Welding (Wire-Feed), and Oxy-Acetylene cutting and bending. Students will also have the opportunity to weld a fire-poker or a desk ornament!

- **Building Systems** – Using various power tools, students will assemble a bird house.

Professionals from Metro Area Ambulance Service and the ND Geological Survey Paleontology Division will also lead activities with the campers.