STEM Kids in the Grand Forks Public Library
STEM classes are offered as one hour topic based sessions throughout the year.

Dakota Science Center volunteer teachers develop lesson plans for the educational kits that are purchased for the STEM classes. The lesson plans include grade level, instruction time, material list, objectives, teacher’s introduction, student instruction, skills, and vocabulary. Engineering process worksheets are developed for any activity where students are expected to design and redesign. The lessons plans make it possible for parents, home school educators and university student volunteers to teach the classes.
Children use LEGO Early Structures to build simple structures and learn engineering concepts.

Children build straw rockets and use the straw rocket launcher to learn about rocket velocity. They launch the rockets at different angles and measure the distance they travel.

Children use the Van DeGraaf Generator to learn about electrostatic repulsion.
STEM in the Library
Educators, university students and faculty share STEM education with the children at the STEM in the Library sessions which are part of the summer and winter reading programs.

University Geology students and volunteers.
University Geography students and volunteers.
University College of Engineering students.
Building Brain Awareness with university students.
FIRST® LEGO® League (FLL®) team for 9-14 year old youth
The FLL® team meets September through February and competes in the state tournament.
Children's Garden Club
This STEM educational program is based on agricultural science lesson plans that spark an interest in gardening, nutrition, and the environment.
Family Fun Days


STEM play dates are held on the last Sunday of each month from 1-4 pm. Board games, Wii games, and LEGO® Education kits are set out for families to enjoy.