



Big Brothers Big Sisters Summer STEM

STEM Program

Sylvan Learning Center of Iowa presents the opportunity to host STEM courses as an educational and team building opportunity to the Bigs and Littles of Big Brothers Big Sisters.

Hosting Site

Sylvan will provide the space to host six Bigs and six Littles for each session. We are located at 2024 NW 92nd Court. Bigs and Littles will report to the conference room which is located in the center of the office complex. Sylvan will provide welcome signs at the entrance and within the building.

Invoicing

Sylvan will only charge for the Littles to participate and will require that six Littles participate in each session to fill the available spots. If the numbers fall short, we can further discuss how best to accommodate those interested. Hourly rate per Little is \$12 (\$18/Little/Session). A monthly invoice will be sent to BBBS.

Dates

Pre-selected Saturdays in June include June 12 and June 26. July and August dates will be determined at a later date.

Program Schedule

Times can vary slightly. The following is just a suggestion of the two time slots we discussed. We can use identical time slots or vary them as listed. Each session will be 1.5 hours long. The break listed in-between will be for Sylvan and participant transition. Grade levels reflect the 2021-22 school year.

Grade levels (2021-22 school year)	June 12 Robotics	June 26 Engineering
1st-3rd	9 a.m.-10:30 a.m.	10:30-12 noon
4th-6th	11 a.m.-12:30 p.m.	12:30-2 p.m.
7th-8th	1 p.m.-2:30 p.m.	2:30-4 p.m.

Robotics

Grades 1st-3rd

- Students will enjoy a lively introduction to building and programming robots by using LEGO's award-winning WeDo software. Builds could include alligators, lions, sailboats, soccer players, or giants. STEM words will be reviewed for each build.

Grades 4th-8th

- Students will build complex bots for advanced problem-solving and engineering by using LEGO's award-winning WeDo software. Builds could include carousels, Ferris wheels, elevators, forklifts, drawbridges, or super spinners. STEM words will be reviewed for each build.

Engineering

Grades 1st-3rd

- Students will learn engineering skills as they build theme-based creations. LEGO builds will include simple machines that focus on wheels, axles, gears, force, pulleys, levers, and much more! STEM words will be reviewed for each build.

Grades 4th-8th

- Students will explore and learn about forces, motion and machines. K'NEX builds will include machines such as a dump truck, elevator, fishing rod, sawmill, or crank fan. STEM words will be reviewed for each build.

Policies and Procedures

- Sylvan will provide a Sylvan-trained instructor for each session. All Sylvan instructors have passed recent background checks.
- Sylvan will follow masking protocols put in place by BBBS.
- Sylvan will follow bathroom visit procedures put in place by BBBS. Keep in mind that the bathroom is open to all tenants of the office complex.
- Sylvan will be happy to discuss any other policies or procedures deemed necessary.