

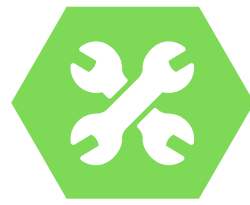
ENGINEERING PATHWAYS PROJECT

Beyond School Bells
nebraskachildren



Purpose

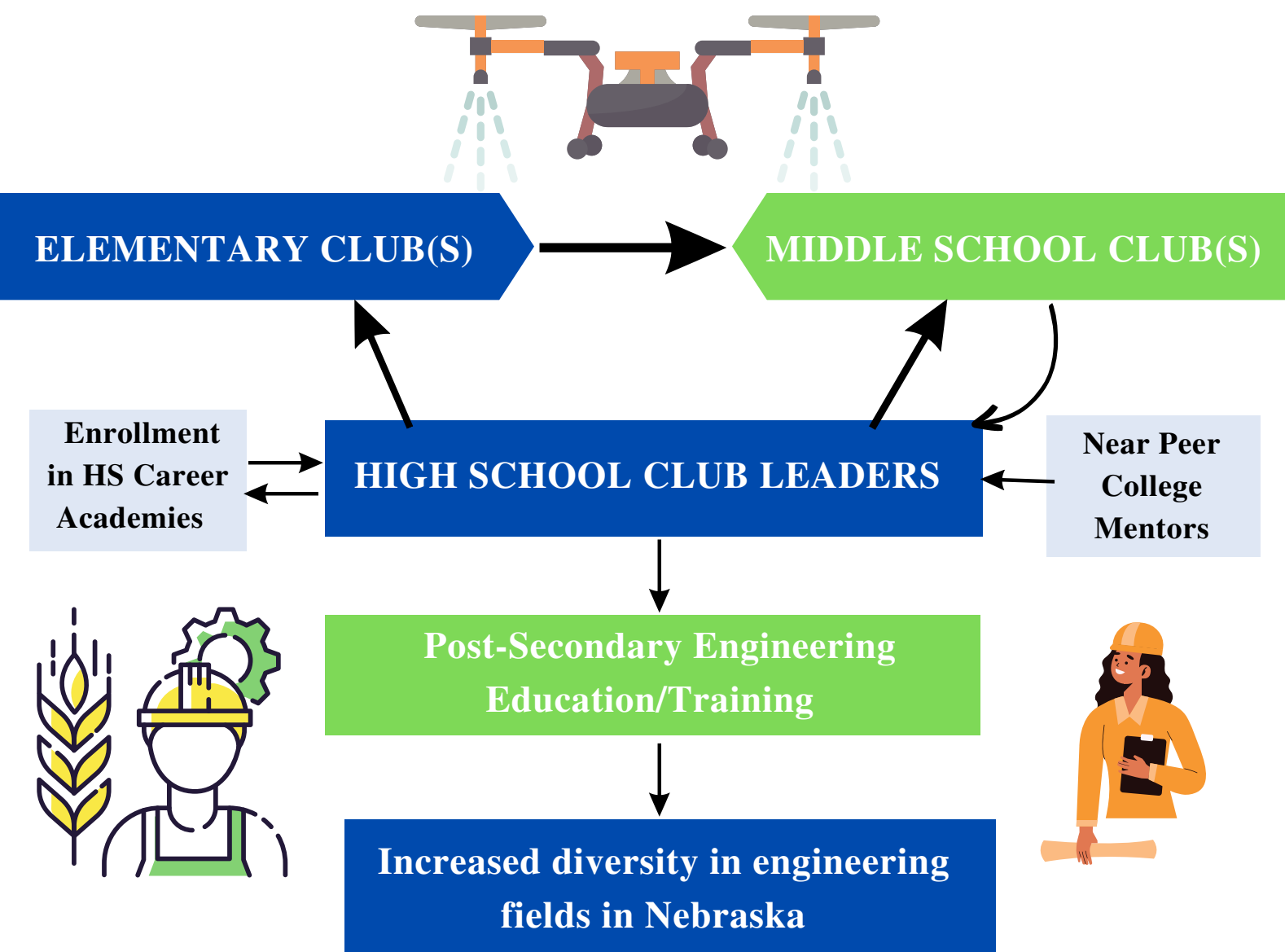
- Create grades 1 through 12 **pathway experiences** teaching youth the engineering mindset through exciting, hands-on, fun design activities
- Raise awareness about **local** and **state-wide** engineering-based **scholarship opportunities** and **career pathways**
- Support and advance **girls, rural,** and **underserved youth** in engineering in the state of Nebraska



Basic Pathway Structure

- EL and MS Clubs led by **HS students** with support from staff
- HS club leaders receive regular **mentorship & leadership training** from near peer college students
- Student and club leader **surveys** near end of each club experience

- Programs **build connections** across grades & the community for students and families
- Family engagement event with meal near end of clubs to showcase activities and raise family awareness of next pathway experience, career, and educational opportunities including the **Peter Kiewit Foundation Engineering Academy Scholarships**



Curriculum

Club leaders can use Engineering-based lessons from:

- Engineering curriculum put together by Extension
- Mission to Mars (M2M)
- Camp GoldieBlox
- CityBuild

