

CyMath is recruiting grad or undergrad student volunteers for K-12 math tutoring

- Can choose to help grade 3-5 or grade 6-8 or HS
 - **Summer sessions May 20 to Aug 20.**
 - Most Saturday mornings (10-11 or 11-12); or Tuesdays (2-3pm)
 - Sat: Zoom or ISU; Tues: Sawyer
 - Fall/Spring: Saturday morning or 2 weekday afternoon options
 - **Time commitment – 1.5 hours/week or less**
 - Can use ALEKS.com as a base for tutoring (almost no prep needed)
- *Why tutor? Improve communication skills; teaching skills; find community; find extra faculty mentors*
- <https://cymath.iastate.edu/> or email namrata@iastate.edu
 - (Prof. Namrata Vaswani – CyMath director)

- **What is CyMath**

- Hybrid mode (at least) weekly math tutoring
- At-home math practice resources (ALEKS.com) and encouragement
- Start in 3rd-5th grade, follow students to middle school and later
- **Tutors: STEM grad student volunteers, undergrad students (paid) & Education majors (future teachers also help motivate/manage students, run CyMath)**

- **Why?**

- math learning is cumulative – without basic arithmetic skills cannot understand (scalar) algebra; all of Engineering/Computing/STEM relies on algebra and the ability to code it right

- **CyMath Impact**

- huge gains for some students; small gains for all;
- tutors find community/mentors and improve their own teaching and communication skills

- Web: <https://cymath.iastate.edu/>

- **Open question: How to get and graduate better prepared Engineering/Computing students?**

- Someone needs to look at the ENTIRE K-12 to college math pipeline; **Ques: How do K-5 math policies impact math needed for engineering/ML success**