

CyMath Math tutoring + practice schedule

- **Summer May 20 – Aug 20**
 - Saturday mornings (10-12) - ISU or Zoom
 - Tuesdays (2-3pm) – at the school closest to ISU
- **Fall/Spring:**
 - Saturday sessions: no change
 - Weekdays: 2 weekday after-school sessions
- Tutors - ISU graduate or undergrad students.
- Use ALEKS.com as a base for tutoring & encourage at-home math practice
- **Signup:**
 - short form at <https://cymath.iastate.edu/> or
 - email Prof Namrata Vaswani namrata@iastate.edu (ECE professor)

- **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