

Dear educators,

Welcome! We are so excited to have you join us for our STEM Week Challenge.

It is Kids in Tech's mission to excite, educate, and empower children and youth from families throughout Massachusetts to learn about technology and explore engineering concepts in order to embrace future opportunities in a growing industry. Our *Afterschool Tech Clubs (ASTCs)* are aimed at readying students aged 8-14 by teaching computer skills and how technology is used in a professional settings.

For the STEM Advisory Council's STEM Week 2020 Design Challenge, KIT plans to expand and modify its successful *ASTC* program to present the theme *Cybersecurity: Keeping Our Networks Secure*. The goal of this Challenge is to deepen students' understanding of the architecture of the internet and how it is designed to withstand both physical and electronic attacks.

The *Cybersecurity: Keeping Our Networks Secure* Challenge is designed to align with state standards and the goals of the STEM Advisory Council by nurturing students' innate curiosity at a young age and sparking student interest and excitement in STEM subjects through authentic experiential learning, beginning in early childhood and sustained throughout PreK-16 education.

In this STEM Week Challenge for students in grades K-5, 6-8, and 9-12, Kids in Tech asks students to think their way through standards-based activities to consider how the internet works and how they can use the internet safely. By participating in puzzle-solving games, students will explore how individuals can use the internet to obtain information and how they can make sure their personal information is safe.

Furthermore, All KIT curricula will provide teachers instructions on how to modify activities for online engagement, allowing for the scaling of programming outside of the traditional classroom setting.

Thank you for joining us for the STEM Week Challenge. If you have any questions, our team can be reached at info@kidsintech.org. We hope that the STEM Week Challenge will prove to be a meaningful learning experience for your students, and a positive teaching experience for you.

Sincerely,

Olu Ibrahim

Olu Ibrahim
Kids in Tech, Executive Director + Founder