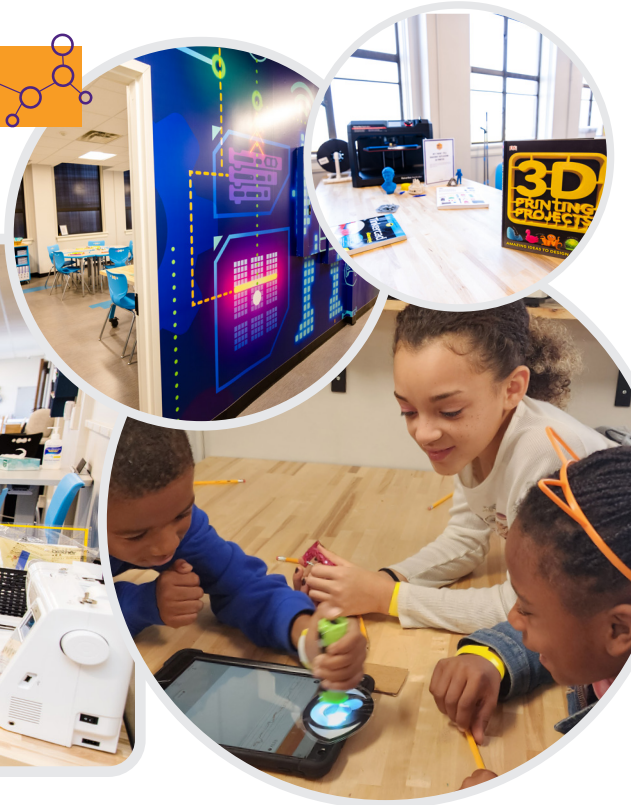


# CAMPAIGN FOR INNOVATION



## TECHNOLOGY LAB | UNLOCK THE POTENTIAL OF TOMORROW - GIFTED!

The **Technology Lab** will provide an environment where participants can develop the four skills at the core of living and working in a 21<sup>st</sup> century global society: critical thinking, communication, collaboration, and creative skills. Enriched learning experiences will utilize digital learning tools including in-house computers, hand-held devices, 3D printers, communication devices, and more. This engaging model of connected learning will unlock participants' potential through experiences designed to encourage collaboration and complex problem-solving, which assist in the development of communication and leadership skills.

Programs will explore the fields of robotics, gaming and animation; virtual and augmented reality; computer science, programming, coding, and app development; computer-aided design (CAD), 3D printing, and modeling; and more. The RMSC will further our partnerships with local subject matter experts, leading companies, program developers, and colleges and universities to ensure that students encounter the most accurate and current information, and that the technology and digital learning tools being used remain relevant.

*Examples of Technology Lab Programs include:*

### Coding & App Development

Learning basic coding skills will empower students to construct their own mobile games and apps. Through hands-on experiences, students will foster logic skills, organization, sequencing, and computational and algorithmic thinking.

### Renegade Robotics

Discover the exciting, cutting-edge field of robotics through group activities and self-paced exploration time with several different robotics systems. Discover how to program your own robot and complete complex tasks through basic coding.

### 3D Printing

In this interactive program, 3D printing makes additive manufacturing come to life! Ideas in science, history, and math come together as students will see, touch, and explore objects that they design and print themselves.