



The Leonard Gelfand Center is pleased to announce FREE online resources designed for K-12 students to supplement school learning, spark creativity, and provide alternative opportunities for learners to explore careers and engage in STEM investigations!



Click on any of the links below to access the **FREE asynchronous resource!**

[Computer Hardware Series](#)

This video activity series is designed to spark curiosity in young learners (and lifelong learners) and explain how computers work.

[Digital Education Modules](#)

These modules were created by CMU graduate and undergraduate students as a course project to help young students understand the STEM concepts that are being studied at CMU. Each module offers 30-60 minutes of video content along with activities and hands-on experiments.

[LGC STEM Career Explorations and 360 Lab Tours](#)

Learn from faculty and students about exciting research being done at CMU by watching interviews and virtually touring laboratories on campus.

[Jasio the Scientist](#)

Follow along with Carnegie Mellon engineering alumnus Jasio Santillan as he uses everyday items to explore STEM concepts through at-home experiments.

[Road to Research--Meet the Researcher](#)

View presentations and complete activities from this program, as LGC partnered with the College of Engineering to provide an opportunity for CMU undergraduate and graduate students to virtually *meet* Pittsburgh middle school students to explain their research, talk about their lab experiences, and participate in a Q&A session.

[Gelfand Outreach \(GO\) STEM Show](#)

Ask the scientist a question! Each of the shows features CMU “celebrity” guests answering questions that our viewers have emailed to the Gelfand Center. Questions for future guests can be sent to GelfandCenter@andrew.cmu.edu

[Free Educational Resources](#)

The Gelfand Center has organized a comprehensive list of CMU and community resources for STEM learners to explore asynchronously from the comfort of their own homes.