

Ramapo Ridge Middle School

Instructional Technology

Teaching and learning at Ramapo Ridge Middle School includes the purposeful and meaningful integration of instructional technology. The integration of instructional technology at our middle school includes our 1:1 laptop program. Students in grades 6-8 are assigned individual laptops to support learning at school and at home. Our educators and students have access to and utilize available technology such as web-based services Google Classroom and Office 365, three-dimensional printers, simulation software, iPads, electronic prototyping and coding software such as Arduino, Lego EV3 Mindstorm robots, three-dimensional design software such as TinkerCAD, screen recorder technology such as Screencastify, graphing calculators, and high-tech probeware such as PASCO/Vernier.

The integration of instructional technology at Ramapo Ridge Middle School supports the collaborative, innovative, and hands-on education our students engage throughout their middle school experience and creates new and varied learning experiences. Consistent with all essential components of our middle school program, the integration of instructional technology is designed to be developmentally appropriate. Our middle school program, including the integration of instructional technology, prepares our students for high school, college and career readiness, and their future in a digital society.

As we integrate instructional technology, our educators and students co-design and sustain learning environments that:

- Engage students in blended learning experiences that develop learning competencies, such as thinking critically, using knowledge and information to solve complex problems, and communicating effectively.
- Foster local and global learning communities that result in collaboration and innovation among peers and experts through communication and shared learning spaces.
- Cultivate 21st century and future-ready skills that students will employ as responsible, contributing citizens in authentic, real-world situations.
- Address cultural, socio-emotional, socio-economic, and learning barriers and accentuate abilities to provide opportunity and equity for all students.
- Provide students with an inspiring education that remains responsive to an ever-changing, competitive, and complex global and digital world.

Ramapo Ridge Middle School uses the standards frameworks from the [International Society for Technology in Education \(ISTE\)](#) for students, educators, and education leaders to promote ongoing reflection and continual growth in instructional technology as related to professional and student learning.