

Program Outline:

Tech Innovate - Foundations in Technology

HoneZone **Tech Innovate** sessions are designed to empower and educate students for 21st century by providing opportunities to create and solve novel problems, communicate, collaborate and create new products and processes, while encouraging students to explore different genres of creative expression and form.

- Students understand the importance of “Creating” technology rather than “using” technology
- Students learn role of technology in 21st century by exploring interactive videos, hands-on projects.
- Students understand basics of how computers, communication, Internet, mobile devices work
- Students understand the concepts of Cloud computing and fundamentals of cloud based offerings in digital world with real-world applications
- Students learn foundations of Mobile Technology by understanding how the innovations in Mobile technology changed today’s world
- Students learn Artificial Intelligence fundamentals by understanding concepts of Robots and Computers.
- Students understand technology behind iPhone, Android phones and learns App development fundamentals
- Students participate in “My idea” discovery workshop and learn fundamentals of technology innovation
- Students create real-world interactive, technology projects using easy to learn programming language.
- Students learn animation, game design incorporating music, movements using Scratch programming

- Students apply Mathematical concepts and learn to solve real-world problems throughout this program.
- Students develop logical thinking, approach strategies and weigh-in pros and cons of solving problems
- Students understand ethical use of software and understand importance of safe sharing in digital world.
- Students participate in Technology contests and win prizes
- Students listen to guest speakers from STEM industry

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