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## **Program Outline:**

### **Tech Basics - Head-Start in Technology**

HoneZone **Tech Basics** sessions are designed to provide young students a head-start in Technology education as a part of STEM-early programs. This program inspires students to “create” technology than just “use” technology. This program prepares students for 21<sup>st</sup> 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 learn role of technology in 21<sup>st</sup> century by exploring interactive videos, hands-on projects.
- Students learn the ins and outs of how Computers work
- Students understand how Internet, routers, ISP, DNS works using fun easy-to-understand analogies.
- Students learn to “float” in the Cloud by understanding fundamentals of Cloud computing
- 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 how Robots work.
- Students observe how the apps are developed in Phones and discuss about creating their own App idea!
- Students learn analytical skills by understanding Logics, Loops and how to break infinite loops!
- Students work collaboratively on “My idea” project and present to the team.
- Students create real-world interactive, technology projects using easy to learn technology concepts and tools.

- 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

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