

Program Outline:

Tech Strides - Bold strides with advanced concepts in Technology

HoneZone **Tech Strides** sessions are designed for students to understand that technology can be a driver of change in 21st century, a bridge to academic excellence, and a platform for informed decision making and accountability.

- Students learn sophisticated technology building blocks behind the digital world of iPhone, iPad, Android, Facebook, Google Maps, Computers and Robots
- Students learn and appreciate advanced concepts in Cloud computing
- Students learn Object oriented design concepts with real world examples
- Students learn and understand that Advanced Technology design happens with some of the sophisticated programming languages such as Java
- Students learn fundamentals of Java Programming and appreciate how open source technologies changed the world
- Students learn and understand fundamentals of Objective C and understand how this language helps create sophisticated technologies in App Development
- Students learn detailed concepts on MVC and learn to create components that model MVC
- Students learn differences between traditional technology implementations Vs building applications on the Cloud
- Students learn to design, critique, question, persuade peers with their design and write, test, implement intelligent, logical, elaborate Programs using Object oriented concepts learned.
- Students learn Technology lifecycle for Create, build, share, implement, market
- Students learn important development concepts of Iterative, Incremental, Agile methodologies

- Students create “My Tech” idea and build on their idea towards a White paper.
- Students present their idea in a team setting, and “Sell” their idea as an Entrepreneur would.
- Students develop logical reasoning, problem solving and strategy skills that are needed for 21st century.
- Students participate in contests and win prizes.
- Students have an opportunity to hear first hand from speakers from STEM industry.

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