

ST1.9 STEM specific professional learning

- Kindergarten- We have received training from Code.org. Our STEM specialist provides support along with our STEM team (CIP).
- First Grade: Half-Day trainings, Defined STEM, teacher designees are part of the NAU Grant team.
- Second Grade: Teachers and Students receive STEM support from our on-campus STEM specialist. Teachers have received training on STEM kits and Defined STEM, and are offered other opportunities through district classes available to staff members.
- Third Grade: Teachers are trained in coding through Code.org and implement this program during science blocks and RTI time to allow students Computer Science learning experiences. Staff also has access to the Defined STEM program and implements the activities during STEM days. Defined STEM activities and lessons are also used as the initial introduction and culmination of science units. Canyon Springs staff partners with Northern Arizona University to learn various strategies and approaches to incorporate STEM in all academic areas.
- Fourth Grade: Some of the teachers on campus are certified or are in the process of being certified in Google for Educators. All teachers have been given opportunities for professional development toward Define STEM, and the use of the Engineering is Elementary kits. We have teachers on our campus who have PD hours through Maricopa County Education Service Agency for their participation in the AZ STEM School Community of Practice. Our school has also had the opportunity to be presenters at the annual Sci-Tech Kick off Conference 2 years in a row. Many teachers on our campus took advantage of our DV Summer Tech Fest 2017 and learned about Canvas and Google applications to use in our classrooms. Still others had PD over the summer in problem based learning. Lastly, we also are lucky enough to have a STEM specialist who is always willing to send us links to resources to use in our classrooms.
- Fifth Grade: Teachers participate throughout the year in STEM focused professional development. Teachers participate in multi-avenues including being a teacher facilitator for other schools wanting to become STEM focused; through the NAU/APS Foundation.
- Sixth Grade: STEM PD is provided on campus, webinars/videos for Defined STEM, continuous EIE support.
- Seventh Grade - All teachers are offered professional development on STEM. There is also a STEM Specialist on our school campus that continuously sends out resources and offers to be a resource in our classrooms as well. STEM teachers and leaders participate in a continuous program of STEM-specific professional learning in a variety of ways. Teachers participate in and have access to Defined STEM, a professional development opportunity and online resources to assist teachers in staying current about STEM practices.
- Eighth Grade--STEM professional development days routinely throughout the school year. Science teachers have training on Discovery education and Gizmos due to the new Science curriculum adoption.
- Special Areas: Each area attends and participates in training to incorporate technology.
- Ren 6/7/8: PD-Defined STEM/Defined Learning, Problem-Based Learning, 3D design and printing, Coding, Maker Space Design, and continual Gifted/Talented Appropriate Instruction Practices