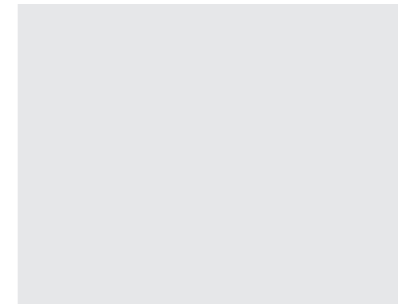
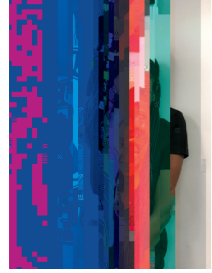


School Shout Outs





Around Campus: Elementary Schools

South Tamarind Elementary Cultivates Hands-On Learning Through STEM Wednesdays

South Tamarind Elementary School is encouraging creativity and critical thinking through STEM Wednesdays, hands-on activities that empower students to expand upon what they have learned in the classroom.

The weekly activities, bolstered by the school's partnership with the digital learning platform Discovery Education, implement the four C's of STEM: communication, collaboration, critical thinking and creativity.

STEM Wednesdays feature 90-minute activities that vary by grade level. South

Around Campus: Middle Schools

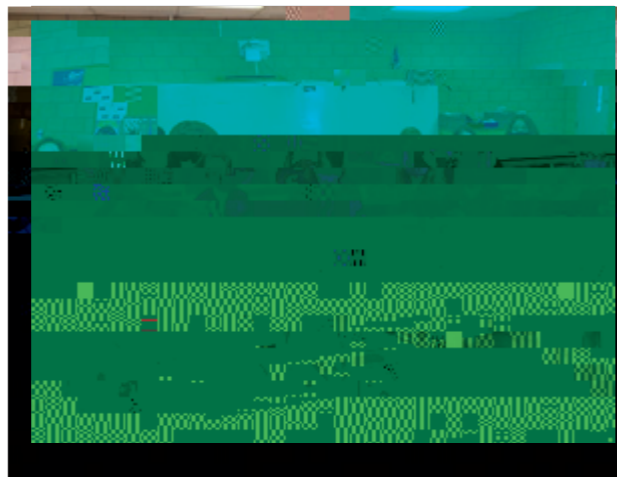
Through a robust science, technology, engineering, arts and mathematics (STEAM) program, Wayne Ruble Middle School is preparing students for the rigors of high school, college and the workforce – while also helping them develop valuable life skills.

Students cycle through a variety of courses in their three years at Ruble – beginning with coding, where they use Minecraft Education MakeCode and Scratch and write code with Javascript and Python. Students then advance to robotics, where they apply their coding skills using Micro:Bits, Lego EV3, Circuit Playground and Coderz.

Students also design and print 3D objects with Tinkercad, learn composite digital arts and edit photos with Photoshop, create 2D multimedia stories and animations in Adobe Animate, and develop personal websites using HTML and CSS.

During their final year of STEAM at Ruble, students gain a better understanding of current and future technology trends such as artificial intelligence, big data and data science, extended reality (such as augmented, virtual and mixed reality), and synthetic biology, nanotechnology, bioprinting, genetic engineering, quantum computing, and cybersecurity.

Ruble educators continue to seek ways to enhance instruction and build the STEAM program; recently, teacher Zahra Razi applied for her seventh/eighth grade STEAM classes to participate in the Amazon Future Engineer Program and Cyber Robotics Challenge.



engaged students in Amazon's

Through this challenge, students discovered how Amazon uses computer science and robotics daily to deliver customer goods, providing real-life context for the skills they are learning.

The program also features a unit on life skills and professionalism, in which students practice and discuss self-discipline and emotional intelligence, discover how such practices are interwoven into the job market, and learn to apply the problem-solving cycle to everyday situations.