

Science - It's Synthetic!

With Citizen Science Day on April 16, Science Olympiad competitors display the chemical, kinesthetic side to STEM competitions

RAGHAV SRIRAM PHOTO ESSAY

Science - It's Moving!

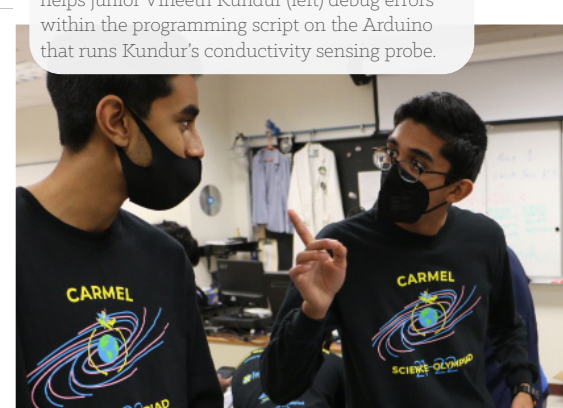
chemically bound: Sophomore Carolyn Jia titrates a drop of potassium permanganate using hydrogen peroxide for the lab portion of Chemistry Lab. Jia and her partner, junior Grace Yang, placed third in this event at the annual Carmel Scrimmage.



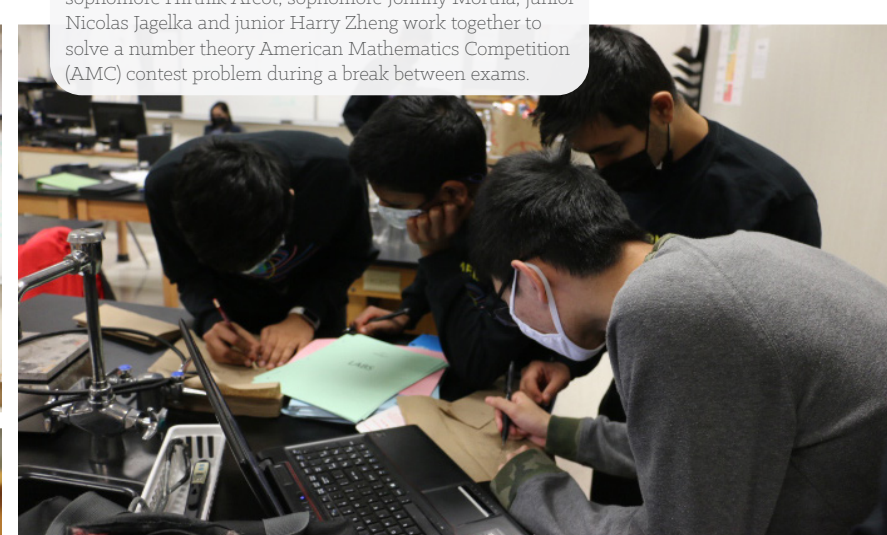
pyro powder: Junior Bridget Bodey (right) and her partner sophomore Abbie Uche-Ejekwu (center) use a Bunsen burner to determine the flame color an unknown powder produces when it burns. According to Bodey, different flame colors indicate different powders. For example, a red flame could be indicative of lithium chloride.



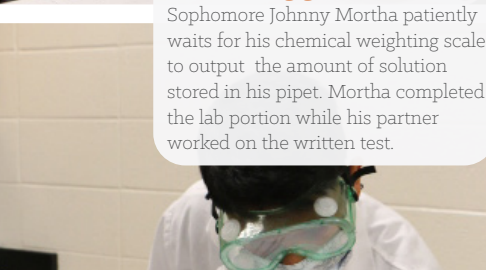
helping hand: Junior Tanay Acharya (right) helps junior Vineeth Kundur (left) debug errors within the programming script on the Arduino that runs Kundur's conductivity sensing probe.



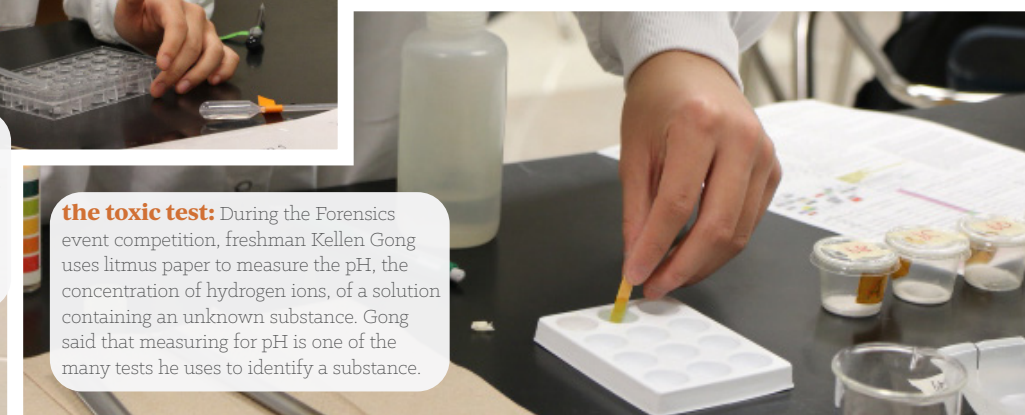
collaborative thinking: (From left to right) sophomore Hirthik Arcot, sophomore Johnny Mortha, junior Nicolas Jagelka and junior Harry Zheng work together to solve a number theory American Mathematics Competition (AMC) contest problem during a break between exams.



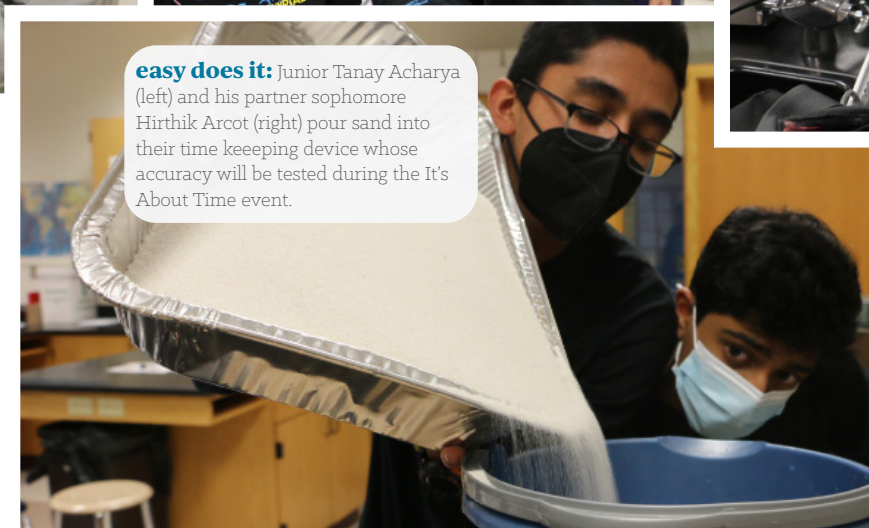
the waiting game: Sophomore Johnny Mortha patiently waits for his chemical weighting scale to output the amount of solution stored in his pipet. Mortha completed the lab portion while his partner worked on the written test.



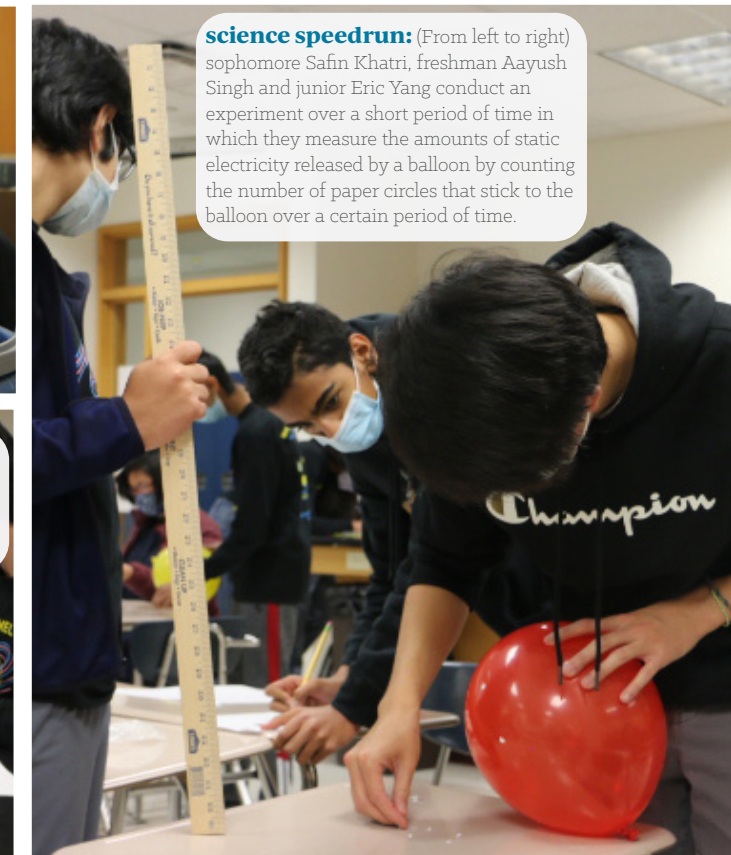
the toxic test: During the Forensics event competition, freshman Kellen Gong uses litmus paper to measure the pH, the concentration of hydrogen ions, of a solution containing an unknown substance. Gong said that measuring for pH is one of the many tests he uses to identify a substance.



easy does it: Junior Tanay Acharya (left) and his partner sophomore Hirthik Arcot (right) pour sand into their time keeping device whose accuracy will be tested during the It's About Time event.



science speedrun: (From left to right) sophomore Safin Khatri, freshman Aayush Singh and junior Eric Yang conduct an experiment over a short period of time in which they measure the amounts of static electricity released by a balloon by counting the number of paper circles that stick to the balloon over a certain period of time.



chemically bound: Sophomore Varun Rao (left) and his partner junior Viswa Jayasankar (right) work with each other to solve a challenging chemistry problem.



busy building: In Write it, Do it (WIDI) partners who build the most accurate structure according to the original structure that is presented score the most amount of points.

