WHAT IS STEM?

S	Science is how we understand the world around us. Science is meant to be built, touched, and experienced. As you start the journey to learn and experience science, remember the scientists who came before you- they did not simply memorize or imagine unclear ideas- science was real to them and that is what allowed them to understand it. This course ensures that you get that chance to fully experience the science- with your mind and your hands.
T	Of course, we see how much technology is part of our lives. Work, medicine, transportation, play- is there an area where we don't see technology being used? If we want to understand the world around us, it is important that we understand how technology works- only then can we figure out new ways that technology can safely and usefully help our world. We do not want to be slaves to the technology other people designwe want to be able to utilize the power of technology for the good ideas that we have.
E	What does it mean to be an engineer? Simply put, engineering is problemsolving. The ability to judge a situation, weigh the good and bad, figure out how to use your resources, and search for an original solution is something that helps you for your whole life. The critical thinking and problem-solving skills you get from this course will be with you throughout life, and you will confidently come to rely on them as you face life's challenges. Never underestimate your ability to solve a problem- any problem.
M	Talking about math with students is always scary - nobody wants to admit how important the numbers really are. But they are important. You want math as the enemy, a difficult set of rules for how numbers should and to build a bridge? Angles matter. You want to figure out how fast the roller coaster can go without flying off the track? Math again. Instead of seeing should not be combined, this course will teach you simple understandable ways to use math.