

Our Philosophy

The performance halls of math and science are factories and offices of the workplace. Should we expect students to stroll onto these stages and perform at a professional level before ever having played the game? Even students who possess strong computational skills, solve equations well, and perform well on exams falter when presented with a real problem to solve.

Playing games is more than just a post-work activity. Games build number theory and offer students a mental toolbox for life. Playing games with numbers, asking questions about WHY an algorithm works and diving into math as the language of science is key.

Like the musician or the athlete, to succeed in the very compelling performance art of science or manufacturing or business, students need to start practicing NOW

Science is about real tangible things that move, fly, explode, burn, haul loads, float, record images, stop diseases...all the interesting exciting "stuff" of the times in which we live. The language all scientists use is mathematics. With practice, anyone can learn to speak this language.

Yo Yo Ma had to practice for years before playing the cello on stage. Great baseball players joined Little League before stepping onto a Major League field. Erin Crocker, the first female driver to join Evernham Motorsports, drove her first race at age 7. All professionals must practice their art, craft or sport to succeed. Doing science and math is no different.

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