Spirit of Technology™

Releasing the Genius ®

Curriculum Overview

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Curriculum Overview
by grade

GRADE	DRILLS	PROBLEM SOLVING	CORE CONTENT	INDEPENDENT ASSIGNMENTS
3	• Typing • Binary Drills • Debugging • Syntax	• Decomposition • While Loop • If/else Problems • Coding with Circuitry Problems • Pattern Recognition	• Circuitry • Variables • Boolean Logic • Syntax • Data Types • Error Types • Conditionals • Built-In Functions • Techy Talk • Python & Microbit Coding Languages	• Independent Coding project • Powerpoint Project • Conceptual Inventions • Mighty Makers research project
4	• Typing • Binary Drills • Resistor Drill • Debugging • Syntax	• Decomposition • While Loop • Flowchart • If/else Problems • Coding with Circuitry Problems • Pattern Recognition • Cryptography	• Circuitry • Variables • Boolean Logic • Syntax • Logic Gates • Data Types • Error Types • Conditionals • Built-In Functions • Techy Talk • Python & Javascript Processing Coding Languages	• Independent Coding project • Powerpoint Project • Conceptual Inventions • Mighty Makers research project
5	Please contact your campus for more details about the Spirit of Technology Grade 5 curriculum.			

Why our formula works?

Spirit of Math Schools is a system of after-school schools for high-performing students in mathematics, technology and English. The Spirit of Math program was developed over a 25-year period with students in a Canadian public school through a process of gradually implementing crucial changes in the curriculum to see what worked. Using the same formula to improve the fundamental skill sets of students. The initial students were brought up to a level of learning that was far above the norm, and a fundamentally new way of teaching technology was born.

This program was not designed to accelerate students through topics, but rather to delve deeper into the fundamental topics of the technology and develop a solid skill set. Students end up doing work that is above their day school grade because of the depth of the program.

Students attend their scheduled class once a week, working with the same group of students for an entire school year. Instruction is not individualized; instead it is a classroom structure in which the students must keep up with the intensive, fast-paced instruction.

Inspiring Confidence

At Spirit of Technology, we believe that confidence is developed in a person by providing a challenging and supportive environment where he or she is able to celebrate the ability to excel, and also where a student is safe to struggle a bit. When a student is able to succeed at a very challenging task, their confidence rises.

Student Admissions

All students and parents must go through a screening process that includes an interview, and the following is required:
- B+ or higher overall average on the student's report card.
- Students must be willing to accept the challenging nature of the program and the discipline that it takes to keep up with their studies; parents must also agree to this.