



DEFINITIONS

AI – Artificial Intelligence – used here in reference to the convergence of skills ultimately leading to the intersection of robotic devices (hardware) and intelligence (software) and psychology (software using hardware to make decisions).

BIPOC – Black, Indigenous, Persons of Color

Drones – used here as multi-rotor flying robotics that can be manually or autonomously controlled.

D, E, & I – Diversity, Equity & Inclusion.

FLL – FIRST LEGO League – typically referred to as middle school robotics. International standardized robotics program for students typically in grades 5th-8th grade.

<https://www.firstinspires.org/robotics/fll>

FTC – FIRST Tech Challenge – typically referred to as “high school” robotics. International standardized robotics program for students typically in grades 7th – 12th grade. Develops a broad number of workforce and technology skills that is positioned to serve a broader community. <https://www.firstinspires.org/robotics/ftc>

FTC – FIRST Tech Challenge – typically referred to as “college” robotics. International standardized robotics program for students typically in grades 9th – 12th grade. Higher point of financial entry and typically run through public high schools. This typically is a high school letter sport. <https://www.firstinspires.org/robotics/frc>

MNSTEM or MSP – Minnesota STEM Partnership

MPS – Minneapolis Public School District

NSBE – National Society of Black Engineers <https://www.nsbe.org/>

NSBE Jr. Twin Cities – National Society of Black Engineers Junior Twin Cities <https://nsbejrc.org/>

Robotics – used here generically as the spectrum of simple, less complex devices to more complex devices with the capability to be pre-programmed with software to perform functions or more advanced devices that resemble humans with simulated (adaptive and / or non-adaptive) intelligence.

SPPS – Saint Paul Public School District

SPP&R – Saint Paul Park & Recreation