



Teams of Innovative Problem Solvers Inc. (TIPS)
 501.3c (Pending) “kid powered change”
www.tipsvt.org

Summer camp in mechanical design, robot programming, game programming, graphic art, 3-D modeling, music composition, story telling and improvisational thinking.

Small teams (3-7 members) of kids apply curriculum, with leadership and management training, to solve problems in engineering, performance arts and science in seasonal competitions like FIRST, Odyssey of the Mind and Google Science Fair. Kids convert their project ideas into businesses that solve problems and create wealth and jobs.



(k-2) Team set foundation in robotics and programming using Scratch and WeDo robots. Students make drawings with Anime Studio and use Lego Digital Designer to make 3-D Models. Students learn to sew to make costumes and paint to make sets and props for presentations.

(3-5) Early elementary teams transition to lego EV3 robots and program with Mindstorms. Students begin to make Animations in Anime Studio and fabricate sets and props using PVC and wood. Students use garage band for music composition.



(6-8) Middle students use PID programming for robots, Unity Pro C# for game programming and compete in Regional level events.

(9-11) High school students use Android Studio with C# for programming cell phones to control customized Tetrix aluminum robots. Students develop SNL style skits with impersonations and political/historical satire for OM.

