



www.techreachclubs.org

TechREACH after school clubs and summer programs help schools involve underrepresented minority and low-income middle school students in technology. TechREACH equips teachers with the proven curriculum and training to generate excitement for science, technology, engineering, and math while building students' confidence.

Middle school girls' and boys' minds are still open to the idea that they can excel in science or technology. Typically however, interest dims in high school; the fall-off especially marked among students from predominantly low-income and minority areas. In response, TechREACH has designed technology-based clubs that capture a 6th, 7th, or 8th grader's attention. The program trains teachers in leading exciting, hands-on activities. Participants are inspired by their achievements and can imagine thriving in technology careers. In a world that needs, demands, and rewards technology ability, this attitude is crucial.

Since its start in 2003, TechREACH has served over 1500 students in 40 clubs and programs around Washington State. Clubs are in operation in Eastern Washington serving students in low-income areas and throughout the greater Seattle area. TechREACH is a flagship program under the Puget Sound Center for Teaching, Learning and Technology.

Examples of TechREACH Curriculum



Animation: In this program students learn to create animations using Pivot, Moviemaker and Adobe Flash. Students write a story, draw their characters, and animate them to create a short animated video.



Building Design & 3-D Modeling: For this architecturally-based program, students design a building to make their community a better place using a 3D software called Anim8or™. Activities integrate math, problem solving, and communication skills.



Renewable Energy: This program involves teaching students about renewable energy sources such as solar, hydro and wind energy. Students focus on how wind produces electricity and build model turbines, design blades, and measure energy production.

Bright Futures STEM from TechREACH

► **Support** the clubs by making a donation to TechREACH.

TechREACH
Puget Sound Center for Teaching,
Learning and Technology
19020 33rd Ave W, Suite 210
Lynnwood, WA 98036

► **Visit** the TechREACH Web site, www.techreachclubs.org
► **Contact Molly Harper Haines**,
Development Director
425.977.4741 ext 4764 or mhhaines@psctl.org



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