



# FLORIDA VIRTUAL SCHOOL

## Camps Promote Student Excitement for STEM

### Introducing Students to STEM through Modeling, Simulation, and Training (MS&T)

The FLVS Foundation, in collaboration with the National Center for Simulation and STARBASE, recently conducted two one-week Science, Technology, Engineering, and Math (STEM) camps for FLVS students.

#### Camper Demographics:

- Orange, Osceola, and Seminole counties
- 5th–10th Graders
- Ages 10–16

#### Building Self-Efficacy and Leadership:

- **Collaboration:** Students learned to apply individual strengths and make group decisions
- **Problem-Solving:** Students learned to overcome failures and boost self-efficacy
- **Independence:** With more confidence in their abilities, students even grew to teach their parents about simulations

#### Students Explored the Diverse Application of MS&T in the Workforce through:

- Tinker CAD and Blender for 3D Modeling
- Roblox Studio for Video Game Development
- Flight Simulators
- Virtual Reality Applications
- Various Robots



### Post-Camp Survey Results

**78%** of students know some or a lot about using modeling/simulation tools responsibly (up from 22% before camp)

**83%** of older students agree that designing products or structures will be important in their future work (up from 50% before camp)

**62%** of students report knowing some or a lot about setting up new modeling/simulation work tools (compared to 24% before camp)

### Their Bright Futures

In one week of camp, students were not only introduced to STEM but also ignited their passion for various STEM career fields. Students ranked their top 3 career choices from a list of 13 possible STEM career fields:



Computer Science



Modeling, Simulation  
& Training



Engineering

