



**Bootstrap**  
+ computing creatively  
+ thriving mathematically

Computational Modeling Physics First with Bootstrap

# Project planning tips



STEM+C PI Summit



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# Partnership

## Teachers

Teacher  
educators

Schools/Districts

Researchers

Funding Partners



Administrators

Organizations

Developers

**TEACHERS!**

Existing  
Programs

**“Do with,” don’t “do to...”**

# Trust but verify...

Stakeholders  
buy-in

Facilities



Teacher buy-in

Logistics

# Hospitality



You can't anticipate every challenge, but you can make up for a lot with good hospitality.

# Community

Face-to-face  
Synchronous  
Before



Virtual  
Asynchronous  
After

During

# Sustainability

Think **programmatically**

is slow research

Plan the journey

Don't skip any steps



STEM education research

...a journey of 1000 steps

Know all the steps

Embrace evolution