

## TED-ED Ideas Worth Sharing in Your Classroom

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### Abstract

In this workshop, [TED-Ed Innovative Educator](#), Alicia Lane, will expose participants to the vast and incredibly engaging [TED-Ed community](#). This award-winning education platform serves millions of teachers and students around the world every week. Participants will learn how to curate, create and share TED-Ed's growing library of free original animated videos and interactive lessons. This workshop will also lead participants through various aspects of [DollarStoreSTEM.com](#), a TED-Ed Innovative Educator Project. This resource presents engaging lessons that are...

- affordable (free or less than 30 cents per student!)
- accessible (kid-tested and executed in actual classrooms)
- aligned to the Next Generation Science Standards
- accompanied by TED-Ed videos to help with implementation

Participants are encouraged to bring laptops or tablets.

### Keywords

STEM, EdTech, NGSS, Elementary, Secondary

### Learning Objectives/Outcomes

Participants will be able to enhance instruction through curating and creating TED-Ed lessons. Participants will be able to enhance STEM instruction using DollarStoreSTEM.com and TED-Ed resources.

### Workshop Agenda/Timeline

Welcome and overview of workshop	15 minutes
Engage: Dollar Store STEM Gems for less than 30 cents per student	45 minutes
Explore: What is TED-Ed? Explain: Anatomy of a TED-Ed lesson and customization	15 minutes
Elaborate: Complete and curate a TED-Ed lesson	15 minutes
Evaluate: Create your own TED-Ed lesson	15 minutes
Closing and sharing of participant-created lessons	15 minutes

## References

- 1 Museum of Science, “Engineering is Elementary Preparatory Lesson: Technology in a Bag,” Boston, MA, <http://www.eie.org/eie-curriculum/resources/technology-bag>
- 2 Lewis Center for Educational Research, “5E NGSS Lesson Planning Template,” Apple Valley, CA, <http://www.lewiscenter.org/AAE/Departments/Science/Teaching-the-Next-Generations-Science/index.html>
- 3 Wujec, Tom, “Marshmallow Challenge,” <http://www.tomwujec.com/design-projects/marshmallow-challenge/>
- 4 Institute of Electrical and Electronics Engineers, “Adaptive Device Design,” TryEngineering, <http://tryengineering.org/lesson-plans/adaptive-device-design>

## Alicia C. Lane

Alicia Lane is currently a STEM Program Specialist with DC Public Schools and was recently named a TED-Ed Innovative Educator. With the inspiration of TED-Ed, Alicia created DollarStoreSTEM.com to spread accessible and affordable STEM lessons for less than 30 cents per student. Alicia previously taught Project Lead the Way curricula in Detroit and lead STEM camps each summer at the University of Michigan. As a Woodrow Wilson Teaching Fellow, Alicia earned her Master of Arts from the University of Michigan. Before becoming a fellow, Alicia served in the US Army Corps of Engineers and earned Bachelor of Science degrees in Chemistry from Spelman College and in Civil Engineering from the University of Michigan.