



Dear STEM Coordinator—

The acclaimed documentary *Dream Big: Engineering Our World* is the first large-screen film aligned with the engineering content in the Next Generation Science Standards. It's accompanied by robust educational resources developed in partnership with leading science educators.

**“Inspirational in the same way *Hidden Figures* was.”**  
*Fox5 News, San Diego*

**“I am an elementary school teacher, and I took my students on a field trip to see *Dream Big* in St. Louis last year. I want all my students to experience the movie, and I am wondering if the film will be available to purchase at some point soon?”**  
*Elementary school teacher, Missouri*

Your fellow teachers have shared how the film has impacted their students. And independent evaluation confirms that teachers find the film and the educational resources useful in their classrooms.

On behalf of the American Society of Civil Engineers, it is my pleasure to provide you with this *Dream Big* educational toolkit. Through the generous support of local ASCE members, the ASCE Foundation, and the United Engineering Foundation, we are providing a free copy to every public school in the United States.



### DREAM BIG EVALUATION RESULTS

Educators used *Dream Big* lessons in classrooms, afterschool clubs, camps, and enrichment programs.

Here's what they thought:

Evaluators gave the *Dream Big* film high marks – giving it an average of **9.2 out of 10 points**



**100%** reported that *Dream Big* helped their students have fun



**96%** reported that *Dream Big* helped their students learn to work in teams



*Dream Big: Engineering Our World* is a film and educational project produced by the American Society of Civil Engineers in partnership with MacGillivray Freeman Films and presented by Bechtel Corporation.

American Society of Civil Engineers 1801 Alexander Bell Dr, Reston, VA 20191

“ Sure to inspire your future innovators. ”  
*Scholastic Teacher*

“ I can't stop talking about *DREAM Big!* I want every kid to see it. I really do think that this film will inspire a generation of kids (girls in particular) to become engineers. ”  
*Middle school teacher, Illinois*

The enclosed educational toolkit consists of two DVDs. On the first is the entire 42-minute documentary in English, Spanish, and closed-captioning. The second DVD contains the Educators Guide, with lessons for students in grades K-12 referenced to the NGSS standards. Lessons for grades 1–5 include math and English language extensions. There are also additional short webisodes and fun fact videos on topics from the Great Wall of China to autonomous vehicles to virtual and augmented reality.

*Dream Big* shows engineers in action, using their curiosity, creativity, and problem-solving skills to build a healthier, safer world, whether it's a high rise in a city that is home to thousands or a footbridge that enables children to get to school across a flooded river.

Teachers like you are the key to kindling a passion for engineering. Please use the film and lessons to inspire your students to use their passions to engineer the future.

We hope you enjoy teaching these lessons to your students as much as we've enjoyed putting them together.

If we can be of further assistance or to connect to some of our local ASCE members please contact us at (800) 548- ASCE or outreach@asce.org.

*Robin A. Kemper, P.E.*

**Robin A. Kemper**, P.E., LEED AP, F.SEI, F.ASCE  
*2019 ASCE President*

 **92%** reported that *Dream Big* helped their students learn to show their creativity

 **86%** reported that *Dream Big* helped their students see a connection between their interests/passions and a career in engineering

 **98%** reported that they will continue leading engineering activities in the future

**Dream Big: Engineering Our World was voted the top giant screen documentary of 2017!**  
**Consider a field trip to your nearest science center to allow your students to experience the film with the immersive impact of the giant screen. [www.dreambigfilm.org](http://www.dreambigfilm.org)**