



CTE MAKEOVER CHALLENGE

INFO SESSION

MARCH 17, 2016

U.S. DEPARTMENT OF EDUCATION

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The Announcement of Requirements and Registration for the Career and Technical Education Makeover Challenge published in the Federal Register Notice on March 9, 2016 contains all rules, terms, and conditions for the Challenge and is the authoritative document governing the Challenge.

WELCOME

INTRODUCTION

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Division of Academic and Technical Education

Office of Career, Technical, and Adult Education

U.S. Department of Education

AGENDA

- + Background
- + The Challenge
- + Q&A

BACKGROUND

ED PRIZES

In our global economy, the need to strengthen the competitiveness of the American workforce is one of the most urgent challenges we now face as a nation. To this end, the U.S. Department of Education is joining forces with America's innovators through a series of prize competitions to develop new standards, products, and services to both increase access to and expand the capacity of career and technical education (CTE). Please visit www.edprizes.com to register for updates.

Current Challenges:

CTE Makeover Challenge

Reach Higher Career App Challenge

EdSim Challenge

#CTEMakeover

THE NATION OF MAKERS

The Career and Technical Education (CTE) Makeover Challenge supports the President's Nation of Makers initiative, which celebrates the creativity, ingenuity, and diversity of America's makers.



THE CHALLENGE

CALL TO ACTION

The U.S. Department of Education invites high schools to enter the CTE Makeover Challenge by submitting a design for a CTE makerspace.

ELIGIBILITY

In order to participate, your school must be:

- + Eligible to receive Perkins IV funding
- + A public high school, a public charter school or a publically funded regional technical center that serves grades 9-12

PRIZES | TOTAL

Up to 10 schools will win prizes to help build their makerspaces

Total cash prize pool of:
\$200,000

Total in-kind prizes worth:
\$350,000+

PRIZES | IN-KIND PRIZES

The following sponsors are providing equipment, tools and supplies, mentors, and training:

- Autodesk
- Dremel
- Etsy Manufacturing
- LEGO Education
- littleBits
- Maker Ed
- MakerBot
- Makerspaces.com
- Makey Makey
- Mozilla Foundation
- National Coalition of Certification Centers (NC3)
- ShopBot
- Snap-on Incorporated
- SparkFun
- TIES Teaching Institute for Excellence in STEM
- Fab Foundation
- U.S. Fab Lab Network

CHALLENGE TIMELINE



CALL FOR FIRST ROUND SUBMISSIONS March 9 - April 1, 2016

Entrants complete First Round Submissions by 11:59:59PM EDT on Friday, April 1, 2016.



CTE MAKEOVER BOOTCAMP April 11 – May 22, 2016

Bootcamp participants receive resources to prepare Second Round (“Blueprint”) Submissions, due 11:59:59PM EDT on Sunday, May 22, 2016.



HONOREES ANNOUNCED AND PRIZES AWARDED June 2016

Up to 10 honorees are selected to receive cash and in-kind prizes.



MAKERSPACE BUILD OUT June – September 2016

Honorees implement their design plans.



HONOREE SHOWCASE October 1, 2016

Honorees present a video tour of their constructed makerspaces at the World Maker Faire.

SUBMITTING AN ENTRY

To complete your submission on the Challenge website, you will need to do the following by 11:59:59 PM EDT on April 1, 2016:

- + Appoint a Team Lead who is employed by your school and over 18 years old
- + Create a Luminary Lightbox™ account
- + Complete the submission form
- + Submit your entry

FIRST ROUND SUBMISSION

The First Round Submission Form asks for the following information:

- + School description, including an overview of your CTE programs
- + Early vision for your makerspace
- + Team description
- + Completed authorization form
- + Images of current space (Optional)
- + Images of initial proposed space (Optional)

BOOTCAMP COMPONENTS

All eligible schools who complete the First Round Submission will be invited to the CTE Makeover Bootcamp, which is organized around 6 lessons and includes the following resources:

- + Webinars from experts at Etsy Manufacturing, Makerspaces.com, Autodesk, and more
- + Suggested readings, resources, and assignments
- + Live office hours with making experts
- + Free software from Autodesk
- + Access to Maker Ed's online community of makers

BOOTCAMP LESSONS



- + Lesson 0: Orientation and Overview (Required)
- + Lesson 1: Making and 21st Century Skills
- + Lesson 2: Learning through Doing
- + Lesson 3: Plan It, Make It
- + Lesson 4: Identifying and Engaging Your Community
- + Lesson 5: Budgeting and Resources

BLUEPRINT SUBMISSION

At the conclusion of the Bootcamp, you will be invited to submit your Blueprint to compete for the cash and in-kind prizes. The Blueprint will ask for the following:

- + Vision for makerspace and how students will use the space
- + Plans for educational programming, build out, and sustainability
- + Team description
- + Budget
- + Makerspace designs
- + Completed authorization form
- + Additional collateral (Optional)
- + Images of initial proposed space (Optional)

HONOREE SELECTION CRITERIA

Blueprint submissions will be evaluated on the following criteria and honorees selected to win the \$200,000 cash and over \$350,000 worth of in-kind prizes:

- + Innovative (20 points)
- + Replicable (20 points)
- + Multi-functional (20 points)
- + Feasible (20 points)
- + Sustainable (20 points)
- + Addressing Need (Bonus 5 points)

MEET THE JUDGES



Kipp Bradford
MIT Media Lab



Brent Bushnell
CEO, Two Bit Circus



Kristin Fontichiaro
Clinical Assistant Professor
at the University of Michigan
School of Information



Limor "Ladyada" Fried
Founder, Adafruit



Yvette Morrison
Vice President of Marketing,
Snap-on Incorporated



Bart Rocco
Superintendent, Elizabeth
Forward School District



Ahmad Shawwal
Student at the
University of Virginia

SUBMISSION LICENSE

- Each entrant retains title to, and full ownership of, its submission. The entrant expressly reserves all intellectual property rights not expressly granted under this agreement.
- By participating in the Challenge, each entrant hereby irrevocably grants a license to ED and Luminary Labs to store and access submissions in perpetuity that may be reproduced or distributed in the future.

Q&A

THANK YOU

We look forward to receiving your
First Round Submission, due April 1, 2016
at 11:59:59 Eastern Time

For help, email Hello@CTEMakeoverChallenge.com

