

SUCCEED

Summer Center for Climate, Energy and
Environmental Decision-Making

Summer student workshop with hands-on
lab experiments and field trips

July 14 – 18, 2014



Are you interested in climate change
and renewable energy?

Are you wondering about a career in science,
technology, engineering or mathematics?

Will you be entering 10th grade in fall?

Then this 5-day summer workshop is for you!

Ready for some fun?

Look inside for more information 



Experiments

Fun

Field trips

Community

<http://cedmcenter.org/succeed-student-program-2014>

SUCCEED is made possible by sponsorship from the
Center for Climate and Energy Decision Making at
Carnegie Mellon University and the Gelfand Center.



CarnegieMellon
ENGINEERING

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Service Learning & Outreach



Westinghouse

Art by Jitske Menting

You are invited to spend five days on the Carnegie Mellon campus to learn about climate and energy, perform lab experiments, and get your hands dirty on field trips with graduate students.



Ready for some fun?

What: Climate, Energy and Environment

For: Students enrolled in 9th grade as of April 2014 (entering 10th grade next fall)

When: July 14-18, 2014, Monday through Friday, from 9am – 4:30pm

Where: Carnegie Mellon University campus. Trips to off-campus locations are planned.

By: PhD students and professors from Carnegie Mellon University's department of Engineering & Public Policy

Costs: FREE. This program is entirely sponsored by CEDM and Carnegie Mellon University, and so there is no registration fee. Breakfast and Lunch will be provided at no charge each day.

Application deadline: March 21st, 2014. Participants will be notified by April 11th.

Apply online:

<http://cedmcenter.org/succeed-student-program-2014/>

Contact: Steve Gradeck:
succeed-2014@lists.andrew.cmu.edu or (412) 268-6657

Field trips (e.g.):

A Coal-fired or Nuclear Power Plant

A Battery Manufacturing Facility

The Natural History Museum

Carnegie Mellon University Electric Vehicle Lab

Carnegie Mellon Intelligent Workplace

Program:

Energy: What is this crazy thing called energy? Why are the most powerful governments and industries all over the world desperate to maintain its stable supply? How can it practically affect your future, and how can you get involved and possibly start a career in one of the most important challenges of the coming century?

The Past: The provision of affordable energy has been a cornerstone of the international economy for over a hundred years. Understanding how we used to produce our energy is critical to understanding the dynamics of the transitional period in which we now find ourselves. Coal, oil, and gas were the kings of the last century. How, can they, and should they be dethroned? You'll get to learn how power plants actually work and see how the past must come to change if we want to see the future.

The Future: Previous generations have unknowingly handed us a huge mess that we've got to sort out. In this section you'll get to learn about the most cutting edge technologies and how they're designed and created. Ever wonder about solar, wind, nuclear and energy-efficient devices? We'll explain how they work through experiment.

Climate: You've heard about global warming. You've heard about climate change. What's the actual scientific evidence for and against these theories? In this section you'll get to meet real researchers and find out how much we really know about how our energy habits are affecting the only world we have. I mean, after all, what's the worst that could happen?