



1  
00:00:01,920 --> 00:00:05,460

[ Music ]

2  
00:00:08,780 --> 00:00:15,660

>> On April 25, 2016, the NASA AERO Institute hosted 9th graders from Lancaster high school

3  
00:00:15,660 --> 00:00:21,770

in a day of hands-on educational activities.  
The students heard from a human systems integration

4  
00:00:21,770 --> 00:00:27,779

engineer, took a tour of the fiber optic sensing system lab, checked out the Aerospace Exploration

5  
00:00:27,779 --> 00:00:33,710

Gallery, learned about the challenges of integrating unmanned aircraft in our National Airspace,

6  
00:00:33,710 --> 00:00:37,750

role-played in a scenario in which they rescued a stranded child with an unmanned aircraft,

7  
00:00:37,750 --> 00:00:39,309

>> ...One step forward...

8  
00:00:39,309 --> 00:00:44,189

and competed in a challenge to build a wind power turbine with the most electrical output.

9  
00:00:47,079 --> 00:00:51,370

>> This trip that we've had here reinforces everything that we do in the classroom. My kids are engineering

10  
00:00:51,370 --> 00:00:59,469

students, they love everything NASA, and to come out here and see the engineers working,

11  
00:00:59,469 --> 00:01:04,860

and going to the labs and stuff like that,  
it makes everything relevant in the classroom.

12  
00:01:04,860 --> 00:01:11,080  
And also projects like this right here reinforce  
our steps that we have in the engineering

13  
00:01:11,080 --> 00:01:15,380  
process. What is the problem? What are some  
of the solutions they come up with? The ideas

14  
00:01:15,380 --> 00:01:19,869  
they come up with? They're working together  
as a team, they come up with some prototypes,