

Launch Services Program presents...

ELaNa **NASA·CalPoly**

Educational Launch of Nanosatellite
“Launching Education Into Space”



1
00:00:09,860 --> 00:00:08,660
hi I'm Vince Whitfield with a NASA

2
00:00:13,310 --> 00:00:09,870
scientific and technical information

3
00:00:15,799 --> 00:00:13,320
program NASA understands the importance

4
00:00:18,109 --> 00:00:15,809
of attracting and retaining a student's

5
00:00:20,800 --> 00:00:18,119
interest in the science technology

6
00:00:23,240 --> 00:00:20,810
engineering and mathematics disciplines

7
00:00:25,910 --> 00:00:23,250
by creating missions and programs

8
00:00:27,620 --> 00:00:25,920
specifically to engage stem students the

9
00:00:30,529 --> 00:00:27,630
agency is essentially investing in the

10
00:00:33,170 --> 00:00:30,539
future of the nation's workforce today

11
00:00:34,729 --> 00:00:33,180
we're at Kennedy Space Center which is

12
00:00:37,280 --> 00:00:34,739
well known for its launch vehicle

13
00:00:39,170 --> 00:00:37,290

capabilities but did you know that the

14

00:00:41,869 --> 00:00:39,180

launch services program here at Kennedy

15

00:00:44,750 --> 00:00:41,879

manages an exciting initiative known as

16

00:00:47,000 --> 00:00:44,760

educational launch of nano satellites or

17

00:00:49,279 --> 00:00:47,010

Alana before the initiative student

18

00:00:51,139 --> 00:00:49,289

builders of nano satellites or cube SATs

19

00:00:53,630 --> 00:00:51,149

had to wait for the perfect opportunity

20

00:00:56,330 --> 00:00:53,640

to send their small satellite payloads

21

00:00:58,549 --> 00:00:56,340

into space in some instances the

22

00:01:00,709 --> 00:00:58,559

opportunity never came but since the

23

00:01:02,630 --> 00:01:00,719

inception of the Alana initiative nASA

24

00:01:04,549 --> 00:01:02,640

has been providing a nation students at

25

00:01:06,289 --> 00:01:04,559

the high school and graduate school

26

00:01:09,770 --> 00:01:06,299

levels with sustainable launch

27

00:01:11,149 --> 00:01:09,780

opportunities educational cube sets now

28

00:01:13,550 --> 00:01:11,159

students know that if they build their

29

00:01:15,740 --> 00:01:13,560

CubeSat submit their proposal and are

30

00:01:17,120 --> 00:01:15,750

selected for an Alana mission they will

31

00:01:22,190 --> 00:01:17,130

have the opportunity to fly their

32

00:01:26,510 --> 00:01:24,020

to find out more about Kennedy's

33

00:01:28,359 --> 00:01:26,520

nanosatellite missions you can find the

34

00:01:30,649 --> 00:01:28,369

conference paper titled alanna

35

00:01:32,539 --> 00:01:30,659

educational launch of nanosatellite

36

00:01:34,669 --> 00:01:32,549

enhances education through spaceflight

37

00:01:36,289 --> 00:01:34,679

on the NASA technical report server

38

00:01:38,660 --> 00:01:36,299

which is one of the world's largest

39

00:01:40,730 --> 00:01:38,670

repositories of aerospace STI and

40

00:01:42,850 --> 00:01:40,740

features records ranging from the NACA

41

00:01:45,139 --> 00:01:42,860

era to today's cutting-edge research