



1
00:00:13,150 --> 00:00:08,890
like this class is an engineering class

2
00:00:17,859 --> 00:00:13,160
and the thing I wanted to do my goal was

3
00:00:19,750 --> 00:00:17,869
to teach kids how what they were

4
00:00:22,660 --> 00:00:19,760
learning in the classroom could be used

5
00:00:24,279 --> 00:00:22,670
to solve a real problem and in my

6
00:00:27,220 --> 00:00:24,289
opinion that's what miss what was

7
00:00:29,260 --> 00:00:27,230
missing from my education and so that

8
00:00:32,740 --> 00:00:29,270
was sort of my mission statement are we

9
00:00:35,410 --> 00:00:32,750
ready to test pull with the invention

10
00:00:38,620 --> 00:00:35,420
challenge the kids have to calculate a

11
00:00:41,380 --> 00:00:38,630
ratio between two masses now if you

12
00:00:45,069 --> 00:00:41,390
teach a kid in an algebra class to

13
00:00:46,590 --> 00:00:45,079

convert from kilograms to pounds first

14

00:00:48,190 --> 00:00:46,600

of all there going to be bored and

15

00:00:50,889 --> 00:00:48,200

second of all they're not going to

16

00:00:54,430 --> 00:00:50,899

remember it tomorrow my team's bridge is

17

00:00:57,220 --> 00:00:54,440

a long triangular prism we decided to go

18

00:00:59,770 --> 00:00:57,230

with a triangular prism because it has

19

00:01:01,869 --> 00:00:59,780

the strength of a triangle but at the

20

00:01:04,600 --> 00:01:01,879

same time it's not really affected by

21

00:01:07,900 --> 00:01:04,610

the lake okay here we go these kind of

22

00:01:10,749 --> 00:01:07,910

ideas you don't get out of solving a

23

00:01:18,249 --> 00:01:10,759

problem in a algebra book be real

24

00:01:20,410 --> 00:01:18,259

careful with that one can you guys weigh

25

00:01:24,520 --> 00:01:20,420

it and then we can figure out what the

26

00:01:27,400 --> 00:01:24,530

score is nice work in an algebra class

27

00:01:30,370 --> 00:01:27,410

if you want to you know they pull a

28

00:01:31,570 --> 00:01:30,380

calculator out to solve a homework

29

00:01:33,339 --> 00:01:31,580

problem and then they look in the back

30

00:01:35,650 --> 00:01:33,349

of the book to see if they got the right

31

00:01:37,540 --> 00:01:35,660

answer and here and they wanted to find

32

00:01:39,010 --> 00:01:37,550

out what their score was and the

33

00:01:40,330 --> 00:01:39,020

calculators are out and they're punching

34

00:01:43,330 --> 00:01:40,340

and they're converting and they're

35

00:01:45,550 --> 00:01:43,340

adding and dividing and and then they're

36

00:01:48,600 --> 00:01:45,560

checking you know to see if they did it

37

00:01:51,370 --> 00:01:48,610

right and that's that's using the map

38

00:01:53,919 --> 00:01:51,380

there's many transformations I know I

39

00:01:56,109 --> 00:01:53,929

came into this class just kicked out of

40

00:01:58,270 --> 00:01:56,119

another school and this class really

41

00:02:00,219 --> 00:01:58,280

saved me it's it's something that you

42

00:02:02,889 --> 00:02:00,229

can dedicate yourself to and something

43

00:02:04,930 --> 00:02:02,899

that you really learn a lot from there

44

00:02:07,600 --> 00:02:04,940

were a lot of deadlines a lot of times

45

00:02:09,580 --> 00:02:07,610

when prototypes had to be done and we

46

00:02:11,770 --> 00:02:09,590

came down to the last week we had to

47

00:02:14,589 --> 00:02:11,780

build both of our final designs within

48

00:02:16,540 --> 00:02:14,599

four days and have it done dried glued

49

00:02:19,990 --> 00:02:16,550

all done by Friday

50

00:02:21,730 --> 00:02:20,000

and it was tough but we got it done I've

51
00:02:24,340 --> 00:02:21,740
learned how to cooperate with my

52
00:02:27,160 --> 00:02:24,350
teammates fully I before I was not very

53
00:02:29,140 --> 00:02:27,170
good at that I'll buy it I wanted the

54
00:02:30,730 --> 00:02:29,150
kids who took it to know when they

55
00:02:36,370 --> 00:02:30,740
finish what it meant to be an engineer

56
00:02:40,690 --> 00:02:36,380
and that's what's happening here I am