



1  
00:00:17,750 --> 00:00:15,430  
waynesville north carolina looks like a

2  
00:00:19,510 --> 00:00:17,760  
lot of american small towns

3  
00:00:21,990 --> 00:00:19,520  
right down to this saturday morning

4  
00:00:23,670 --> 00:00:22,000  
scene at the roper house on chestnut

5  
00:00:25,509 --> 00:00:23,680  
park lane

6  
00:00:26,950 --> 00:00:25,519  
actually there's something very special

7  
00:00:30,790 --> 00:00:26,960  
going on here

8  
00:00:32,870 --> 00:00:30,800  
this is d rover and his son steve

9  
00:00:35,350 --> 00:00:32,880  
stevie was born nine years ago with a

10  
00:00:37,990 --> 00:00:35,360  
very rare physical condition

11  
00:00:40,150 --> 00:00:38,000  
lacking sweat glands his body has no

12  
00:00:41,910 --> 00:00:40,160  
natural way to cool itself

13  
00:00:44,630 --> 00:00:41,920

until recently too much physical

14

00:00:47,430 --> 00:00:44,640

activity or even limited activity on hot

15

00:00:49,190 --> 00:00:47,440

days could have been tragic for him

16

00:00:51,750 --> 00:00:49,200

but thanks to the concerned efforts of a

17

00:00:54,310 --> 00:00:51,760

diverse group of people stevie now has a

18

00:00:58,549 --> 00:00:54,320

way to beat the heat a liquid-cooled

19

00:01:01,029 --> 00:00:58,559

outfit based on nasa technology

20

00:01:03,510 --> 00:01:01,039

this small pump and heat exchanger cools

21

00:01:06,070 --> 00:01:03,520

and recycles fluid through a vest and

22

00:01:09,190 --> 00:01:06,080

hat a system similar to that used in

23

00:01:10,870 --> 00:01:09,200

astronaut space suits

24

00:01:13,270 --> 00:01:10,880

stevie can wear the outfit while

25

00:01:15,990 --> 00:01:13,280

exercising if it's convenient or simply

26

00:01:17,910 --> 00:01:16,000

put it on intermittently to cool down

27

00:01:20,469 --> 00:01:17,920

it's made a tremendous difference in his

28

00:01:23,590 --> 00:01:20,479

life and came about because of stevie's

29

00:01:25,670 --> 00:01:23,600

aunt tootsie moody one day last summer

30

00:01:27,910 --> 00:01:25,680

her daughter had stevie in the car when

31

00:01:29,670 --> 00:01:27,920

he began to suffer from the heat

32

00:01:31,510 --> 00:01:29,680

she pulled over to the side of the road

33

00:01:32,950 --> 00:01:31,520

saw a lady that was watering her garden

34

00:01:34,870 --> 00:01:32,960

took the water hose out of the lady's

35

00:01:36,069 --> 00:01:34,880

hand squirted his body down cooled his

36

00:01:37,910 --> 00:01:36,079

temperature now

37

00:01:40,550 --> 00:01:37,920

got him home called me and said mom i've

38

00:01:42,310 --> 00:01:40,560

never been so scared all my life well

39

00:01:44,469 --> 00:01:42,320

right then is when i decided that

40

00:01:46,469 --> 00:01:44,479

something needed to be done stevie's

41

00:01:48,630 --> 00:01:46,479

aunt called nasa's langley research

42

00:01:50,789 --> 00:01:48,640

center in hampton virginia and was put

43

00:01:53,030 --> 00:01:50,799

in touch with john samos and thayer

44

00:01:55,429 --> 00:01:53,040

sheets in the technology utilization

45

00:01:57,749 --> 00:01:55,439

office they recalled an article in a

46

00:01:59,830 --> 00:01:57,759

nasa spin-off publication about liquid

47

00:02:03,350 --> 00:01:59,840

cooled garments being used by

48

00:02:05,270 --> 00:02:03,360

firefighters pilots and race car drivers

49

00:02:07,429 --> 00:02:05,280

thanks to the cooperation of the company

50

00:02:09,669 --> 00:02:07,439

making the outfits and a fundraising

51  
00:02:12,630 --> 00:02:09,679  
effort by a restaurant chain and norfolk

52  
00:02:14,710 --> 00:02:12,640  
nightclub owner stevie got his suit

53  
00:02:17,350 --> 00:02:14,720  
it's meant newfound freedom and peace of

54  
00:02:20,630 --> 00:02:17,360  
mind not only for him but for his whole

55  
00:02:22,630 --> 00:02:20,640  
family casey come on to dinner

56  
00:02:24,790 --> 00:02:22,640  
stevie's performance in sue smart's

57  
00:02:26,229 --> 00:02:24,800  
fourth grade class at central elementary

58  
00:02:28,229 --> 00:02:26,239  
has also improved

59  
00:02:31,270 --> 00:02:28,239  
before the cool suit he was constantly

60  
00:02:32,710 --> 00:02:31,280  
getting drinks or applying cold towels

61  
00:02:35,350 --> 00:02:32,720  
this made it difficult for him to

62  
00:02:37,589 --> 00:02:35,360  
concentrate and get his assignments done

63  
00:02:39,910 --> 00:02:37,599

now if he gets too hot he simply dons

64

00:02:42,070 --> 00:02:39,920

the suit and continues working

65

00:02:44,150 --> 00:02:42,080

but probably the most significant factor

66

00:02:45,670 --> 00:02:44,160

is that he's in school more often

67

00:02:47,990 --> 00:02:45,680

because the suit has reduced his

68

00:02:50,949 --> 00:02:48,000

susceptibility to respiratory ailments

69

00:02:53,830 --> 00:02:50,959

like bronchitis or pneumonia

70

00:02:57,509 --> 00:02:53,840

as a result his grades are coming up

71

00:02:59,190 --> 00:02:57,519

and he is definitely doing better

72

00:03:01,350 --> 00:02:59,200

the effort with stevie has been so

73

00:03:03,190 --> 00:03:01,360

successful that his aunt is now heading

74

00:03:05,430 --> 00:03:03,200

a national foundation

75

00:03:07,270 --> 00:03:05,440

its goal is to do the same for the other

76

00:03:09,589 --> 00:03:07,280

400 children in this country with