

A man with short brown hair and glasses is speaking. He is wearing a dark, patterned button-down shirt. Behind him is a large bookshelf filled with books. To his right, a poster for the 20th anniversary of the movie 'The Martian' is visible, featuring the planet Mars and the text '20 YEARS DISCOVERY'. In the foreground, a model of the International Space Station is partially visible. The text 'THE INTERNATIONAL SPACE STATION' is overlaid at the bottom of the image.

**THE INTERNATIONAL SPACE STATION**

1  
00:00:04,630 --> 00:00:02,869  
i just recently along with most

2  
00:00:06,150 --> 00:00:04,640  
americans wrote the government a big fat

3  
00:00:07,590 --> 00:00:06,160  
check because that's what life is uh

4  
00:00:08,790 --> 00:00:07,600  
nothing is certain except for death in

5  
00:00:10,549 --> 00:00:08,800  
taxes

6  
00:00:11,749 --> 00:00:10,559  
uh and also the speed of light in a

7  
00:00:13,509 --> 00:00:11,759  
vacuum actually now that i think of it

8  
00:00:14,870 --> 00:00:13,519  
many universal constants are more

9  
00:00:16,790 --> 00:00:14,880  
certain than death in texas but i'm

10  
00:00:19,269 --> 00:00:16,800  
getting ahead of myself taxes uh while

11  
00:00:22,390 --> 00:00:19,279  
i'm not precisely happy to be rid of my

12  
00:00:25,590 --> 00:00:22,400  
money i am in favor of government and

13  
00:00:27,189 --> 00:00:25,600

all that jazz and most of the 16 000

14

00:00:28,390 --> 00:00:27,199

freaking dollars that i just sent to the

15

00:00:29,990 --> 00:00:28,400

us government is going to be used to

16

00:00:31,109 --> 00:00:30,000

decrease suck in some way making sure

17

00:00:32,709 --> 00:00:31,119

that people who lose their jobs don't

18

00:00:34,229 --> 00:00:32,719

become immediately homeless education

19

00:00:35,830 --> 00:00:34,239

for people who wouldn't otherwise be

20

00:00:37,270 --> 00:00:35,840

educated and healthcare for people who

21

00:00:39,270 --> 00:00:37,280

otherwise couldn't afford it all of

22

00:00:40,389 --> 00:00:39,280

these fantastic things but when it comes

23

00:00:41,750 --> 00:00:40,399

right down to it not a lot of the money

24

00:00:43,910 --> 00:00:41,760

that i just gave my government is going

25

00:00:45,830 --> 00:00:43,920

to be used to do cool stuff don't get me

26

00:00:47,670 --> 00:00:45,840

wrong i'm totally in favor of reducing

27

00:00:49,350 --> 00:00:47,680

suck but like my grandfather always said

28

00:00:51,190 --> 00:00:49,360

using the great and awesome power of the

29

00:00:53,110 --> 00:00:51,200

united states government to decrease

30

00:00:54,549 --> 00:00:53,120

suck without ever increasing awesome is

31

00:00:56,389 --> 00:00:54,559

a little bit like using the starship

32

00:00:58,630 --> 00:00:56,399

enterprise as an interstellar shipping

33

00:00:59,990 --> 00:00:58,640

barge but for people like me i am happy

34

00:01:01,270 --> 00:01:00,000

to announce that deep in the budget

35

00:01:02,790 --> 00:01:01,280

there are a few percentage points

36

00:01:04,070 --> 00:01:02,800

dedicated to increasing awesome for

37

00:01:05,350 --> 00:01:04,080

example the money that the united states

38

00:01:06,630 --> 00:01:05,360

government spends on science and

39

00:01:07,830 --> 00:01:06,640

technology this is the graphical

40

00:01:09,670 --> 00:01:07,840

representation of the united states

41

00:01:11,510 --> 00:01:09,680

budget it's divided up and you might

42

00:01:13,750 --> 00:01:11,520

think this this this maybe some of these

43

00:01:15,830 --> 00:01:13,760

things are the science no no the science

44

00:01:17,910 --> 00:01:15,840

is down that little thing down there and

45

00:01:20,149 --> 00:01:17,920

less than half of that is my very

46

00:01:21,510 --> 00:01:20,159

favorite government agency nasa now if i

47

00:01:22,950 --> 00:01:21,520

magically shrunk the entire united

48

00:01:24,550 --> 00:01:22,960

states budget into a dollar and then

49

00:01:26,230 --> 00:01:24,560

split that dollar into 100 pennies i

50

00:01:28,550 --> 00:01:26,240

still could not show you nasa's relative

51  
00:01:30,630 --> 00:01:28,560  
budget because it would be smaller than

52  
00:01:32,550 --> 00:01:30,640  
one half of a penny but despite that

53  
00:01:34,469 --> 00:01:32,560  
fact it still is a relatively large

54  
00:01:36,630 --> 00:01:34,479  
amount of money about 18 billion and

55  
00:01:39,830 --> 00:01:36,640  
this begs the question what is nasa

56  
00:01:41,749 --> 00:01:39,840  
doing with all that money besides

57  
00:01:43,350 --> 00:01:41,759  
maintaining a five-bedroom house in

58  
00:01:45,109 --> 00:01:43,360  
outer space that has been constantly

59  
00:01:46,550 --> 00:01:45,119  
inhabited for over 10 years a space

60  
00:01:48,069 --> 00:01:46,560  
station that provides our first

61  
00:01:50,789 --> 00:01:48,079  
permanent foothold in space and a

62  
00:01:53,590 --> 00:01:50,799  
literal and scientific and metaphorical

63  
00:01:55,429 --> 00:01:53,600

stepping-off point into the exploration

64

00:01:56,710 --> 00:01:55,439

of the rest of the solar system a place

65

00:01:58,630 --> 00:01:56,720

where so much science is done that i

66

00:02:00,069 --> 00:01:58,640

literally cannot even show you the names

67

00:02:01,990 --> 00:02:00,079

of all the studies that have been done

68

00:02:04,069 --> 00:02:02,000

there besides launching what amounts to

69

00:02:05,749 --> 00:02:04,079

pretty much a remote controlled suv onto

70

00:02:07,910 --> 00:02:05,759

the surface of mars with 10 times the

71

00:02:09,270 --> 00:02:07,920

scientific payload of any interplanetary

72

00:02:10,469 --> 00:02:09,280

mission so far a remote-controlled

73

00:02:11,990 --> 00:02:10,479

laboratory that will help answer

74

00:02:14,229 --> 00:02:12,000

questions about mars including whether

75

00:02:15,990 --> 00:02:14,239

it once harvard life and help prepare us

76  
00:02:17,910 --> 00:02:16,000  
for manned exploration of the red planet

77  
00:02:19,270 --> 00:02:17,920  
besides creating a worthy successor to

78  
00:02:21,110 --> 00:02:19,280  
the hubble space telescope allowing

79  
00:02:22,949 --> 00:02:21,120  
astronomers to see further than it had

80  
00:02:24,949 --> 00:02:22,959  
ever hoped to see before allowing

81  
00:02:26,869 --> 00:02:24,959  
humanity a first glimpse at the very

82  
00:02:30,869 --> 00:02:26,879  
origins of the universe a telescope that

83  
00:02:33,030 --> 00:02:30,879  
can see 13.4 billion years into the past

84  
00:02:34,790 --> 00:02:33,040  
besides inviting the private sector into

85  
00:02:36,630 --> 00:02:34,800  
the space industry offering them patents

86  
00:02:38,390 --> 00:02:36,640  
on technologies developed for nasa and

87  
00:02:40,309 --> 00:02:38,400  
fostering the growth of an entirely new

88  
00:02:41,830 --> 00:02:40,319

sector of the economy besides placing

89

00:02:44,229 --> 00:02:41,840

the first artificial satellite around

90

00:02:45,990 --> 00:02:44,239

mercury besides making air travel faster

91

00:02:47,350 --> 00:02:46,000

and safer and more environmentally

92

00:02:48,790 --> 00:02:47,360

friendly besides building the first

93

00:02:50,710 --> 00:02:48,800

telescope capable of capturing high

94

00:02:52,070 --> 00:02:50,720

high-resolution x-ray images besides

95

00:02:53,750 --> 00:02:52,080

adding three more climate monitoring

96

00:02:55,030 --> 00:02:53,760

satellites to the already existing fleet

97

00:02:56,630 --> 00:02:55,040

that will help us understand our

98

00:02:58,309 --> 00:02:56,640

changing climate and how to react to

99

00:02:59,830 --> 00:02:58,319

global climate change besides creating

100

00:03:01,270 --> 00:02:59,840

frameworks and technologies and

101  
00:03:02,550 --> 00:03:01,280  
challenges that will help inspire the

102  
00:03:04,070 --> 00:03:02,560  
next generation of engineers and

103  
00:03:06,470 --> 00:03:04,080  
mathematicians and scientists besides

104  
00:03:07,750 --> 00:03:06,480  
identifying thousands of planets outside

105  
00:03:09,589 --> 00:03:07,760  
of our solar system many of them

106  
00:03:11,030 --> 00:03:09,599  
apparently earth-like with liquid water

107  
00:03:12,710 --> 00:03:11,040  
besides launching the final two space

108  
00:03:14,149 --> 00:03:12,720  
shuttle missions while simultaneously

109  
00:03:15,750 --> 00:03:14,159  
developing a new multi-purpose crew

110  
00:03:17,670 --> 00:03:15,760  
vehicle capable of visiting not just the

111  
00:03:19,509 --> 00:03:17,680  
orbit of the earth but possibly the moon

112  
00:03:21,509 --> 00:03:19,519  
and mars and venus and beyond and

113  
00:03:23,670 --> 00:03:21,519

besides being the best chance that we

114

00:03:25,509 --> 00:03:23,680

have of answering fundamental questions

115

00:03:27,589 --> 00:03:25,519

about ourselves and our place in the

116

00:03:30,869 --> 00:03:27,599

universe besides that i guess nasa

117

00:03:32,710 --> 00:03:30,879

doesn't do much with that 0.45

118

00:03:34,309 --> 00:03:32,720

of our tax dollars i'm happy to give my

119

00:03:36,710 --> 00:03:34,319

money to nasa because i want my

120

00:03:38,149 --> 00:03:36,720

government to be doing awesome things i

121

00:03:39,670 --> 00:03:38,159

believe in my country's ability to be

122

00:03:41,270 --> 00:03:39,680

awesome i'm afraid that more and more

123

00:03:43,670 --> 00:03:41,280

we're just focusing on maintenance and

124

00:03:45,990 --> 00:03:43,680

not on the amazing things that we can do

125

00:03:47,670 --> 00:03:46,000

when we combine our efforts and that

126

00:03:49,509 --> 00:03:47,680

really is what government is about so

127

00:03:51,110 --> 00:03:49,519

thank you to nasa for doing such great

128

00:03:52,630 --> 00:03:51,120

awesome and exciting things with our

129

00:03:54,070 --> 00:03:52,640

money it's strange to say this but i can