



# Earth Day 2020



1  
00:00:07,650 --> 00:00:06,020  
[Music]

2  
00:00:21,870 --> 00:00:07,660  
[Applause]

3  
00:00:25,680 --> 00:00:21,880  
[Music]

4  
00:00:28,670 --> 00:00:25,690  
[Applause]

5  
00:00:37,290 --> 00:00:28,680  
[Music]

6  
00:00:41,530 --> 00:00:39,280  
hey what's going on everybody I am

7  
00:00:42,670 --> 00:00:41,540  
Joshua Santora coming to you live not

8  
00:00:45,460 --> 00:00:42,680  
from the Kennedy Space Center today

9  
00:00:47,020 --> 00:00:45,470  
necessarily but from nature as we

10  
00:00:48,729 --> 00:00:47,030  
celebrate the fiftieth anniversary of

11  
00:00:50,770 --> 00:00:48,739  
Earth Day we wanted to give you a

12  
00:00:52,600 --> 00:00:50,780  
special look at some of the things that

13  
00:00:54,280 --> 00:00:52,610

really make the Kennedy Space Center

14

00:00:56,920 --> 00:00:54,290

special we are in the middle of a

15

00:00:58,570 --> 00:00:56,930

National Wildlife Refuge to tell us more

16

00:01:00,930 --> 00:00:58,580

about the institutional effort that is a

17

00:01:03,580 --> 00:01:00,940

part of our spaceport here is NASA

18

00:01:06,700 --> 00:01:03,590

communications Greg Harland Greg take it

19

00:01:07,480 --> 00:01:06,710

away Thank You Joshua and happy Earth

20

00:01:09,460 --> 00:01:07,490

Day everybody

21

00:01:11,800 --> 00:01:09,470

I'm Greg Harlan with NASA's Kennedy

22

00:01:14,050 --> 00:01:11,810

Space Center office communication well

23

00:01:16,330 --> 00:01:14,060

this is not a typical April it is a

24

00:01:17,710 --> 00:01:16,340

celebration of our home planet at a time

25

00:01:19,510 --> 00:01:17,720

when we collectively commit to

26  
00:01:20,410 --> 00:01:19,520  
preserving and protecting the earth for

27  
00:01:23,200 --> 00:01:20,420  
generations to come

28  
00:01:23,770 --> 00:01:23,210  
this year marks the 50th observation of

29  
00:01:25,960 --> 00:01:23,780  
Earth Day

30  
00:01:27,550 --> 00:01:25,970  
even while practicing social distancing

31  
00:01:30,070 --> 00:01:27,560  
we can connect with nature and perhaps

32  
00:01:32,859 --> 00:01:30,080  
acquire new skills with healthy benefits

33  
00:01:35,380 --> 00:01:32,869  
we can exercise outside landscape

34  
00:01:38,200 --> 00:01:35,390  
planted garden or even just enjoy the

35  
00:01:40,060 --> 00:01:38,210  
simple sounds of nature NASA is also

36  
00:01:41,950 --> 00:01:40,070  
celebrating Earth Day with a campaign we

37  
00:01:43,630 --> 00:01:41,960  
like to call hashtag Earth Day at home

38  
00:01:45,520 --> 00:01:43,640

one of the things I like to do at my

39

00:01:48,310 --> 00:01:45,530

house is cook and I like to use natural

40

00:01:49,090 --> 00:01:48,320

herbs and spices for my cooking and one

41

00:01:51,550 --> 00:01:49,100

of the things I'm going to show you

42

00:01:53,920 --> 00:01:51,560

today is how to actually plant herbs for

43

00:01:56,080 --> 00:01:53,930

an herb garden right here I have three

44

00:01:58,359 --> 00:01:56,090

different varieties of herbs and these

45

00:02:00,850 --> 00:01:58,369

you can get any garden center and you

46

00:02:01,899 --> 00:02:00,860

can get either regular organic versions

47

00:02:02,980 --> 00:02:01,909

anyway

48

00:02:05,890 --> 00:02:02,990

what you're going to do is you're gonna

49

00:02:07,120 --> 00:02:05,900

get a pot of soil moist soil and you're

50

00:02:08,380 --> 00:02:07,130

gonna take one of these packages and

51  
00:02:11,590 --> 00:02:08,390  
you're gonna open it up like I did right

52  
00:02:13,030 --> 00:02:11,600  
here and you're going to basically in

53  
00:02:15,460 --> 00:02:13,040  
your moist soil make a little

54  
00:02:17,350 --> 00:02:15,470  
indentation with your finger to accept

55  
00:02:19,000 --> 00:02:17,360  
the seeds and then you're gonna grab

56  
00:02:20,170 --> 00:02:19,010  
some of your parsley seeds like I have

57  
00:02:21,640 --> 00:02:20,180  
right here and you're just going to drop

58  
00:02:24,100 --> 00:02:21,650  
them right in there and then you're

59  
00:02:27,810 --> 00:02:24,110  
gonna cover up the soil and then you're

60  
00:02:30,729 --> 00:02:27,820  
gonna give it just a little bit of water

61  
00:02:33,130 --> 00:02:30,739  
and that's it you are on your way to

62  
00:02:35,860 --> 00:02:33,140  
having your own herb garden about three

63  
00:02:38,860 --> 00:02:35,870

weeks ago I went ahead and planted both

64

00:02:40,660 --> 00:02:38,870

cilantro and a sweet basil and as you

65

00:02:42,970 --> 00:02:40,670

can see right here after about three

66

00:02:46,030 --> 00:02:42,980

weeks I have these two amazing plants

67

00:02:48,160 --> 00:02:46,040

that are ready to pick and use in my

68

00:02:49,540 --> 00:02:48,170

gardening or my cooking

69

00:02:51,520 --> 00:02:49,550

and one of the interesting things about

70

00:02:53,050 --> 00:02:51,530

this is these plants will keep growing

71

00:02:54,670 --> 00:02:53,060

and keep growing you can use them over

72

00:02:56,589 --> 00:02:54,680

and over again you know you have the

73

00:02:59,410 --> 00:02:56,599

freshhest herbs and the stuff you'd like

74

00:03:00,790 --> 00:02:59,420

to cook Kennedy Space Center shares

75

00:03:03,309 --> 00:03:00,800

boundaries with the Merritt Island

76

00:03:05,770 --> 00:03:03,319

National Wildlife Refuge on Florida's

77

00:03:07,240 --> 00:03:05,780

Atlantic coast the refuge covers

78

00:03:09,330 --> 00:03:07,250

approximately a hundred and forty-four

79

00:03:13,690 --> 00:03:09,340

thousand acres and is home to more than

80

00:03:16,840 --> 00:03:13,700

315 native and migratory bird species 25

81

00:03:20,140 --> 00:03:16,850

mammal species and 65 amphibian and

82

00:03:22,000 --> 00:03:20,150

reptile species the refuge supports one

83

00:03:23,800 --> 00:03:22,010

of the highest numbers of threatened and

84

00:03:26,530 --> 00:03:23,810

endangered species anywhere in the

85

00:03:27,970 --> 00:03:26,540

nation one of the animals you might see

86

00:03:30,220 --> 00:03:27,980

when you visit the Kennedy Space Center

87

00:03:32,229 --> 00:03:30,230

include our Sentinel the American

88

00:03:34,180 --> 00:03:32,239

alligator it's not known how many

89

00:03:37,660 --> 00:03:34,190

resided Kennedy but one thing is for

90

00:03:39,670 --> 00:03:37,670

sure there are many another resident is

91

00:03:41,940 --> 00:03:39,680

the Florida scrub jay the only species

92

00:03:44,530 --> 00:03:41,950

of birds endemic to the Sunshine State

93

00:03:47,020 --> 00:03:44,540

scrub jays are similar to a blue jay in

94

00:03:48,880 --> 00:03:47,030

color and size but lack the crest on the

95

00:03:51,640 --> 00:03:48,890

back of their heads one of our slow

96

00:03:53,349 --> 00:03:51,650

movers is the gopher tortoise oftentimes

97

00:03:55,090 --> 00:03:53,359

it can be seen munching on grass

98

00:03:57,789 --> 00:03:55,100

throughout the center our nation's

99

00:04:00,670 --> 00:03:57,799

symbol the bald eagle makes KSC its home

100

00:04:02,620 --> 00:04:00,680

the bald eagle migrates here every fall

101  
00:04:05,080 --> 00:04:02,630  
through spring arriving around the third

102  
00:04:07,030 --> 00:04:05,090  
week of August there are several eagle

103  
00:04:08,920 --> 00:04:07,040  
nests throughout the center and the most

104  
00:04:11,560 --> 00:04:08,930  
well-known one can be seen during

105  
00:04:13,240 --> 00:04:11,570  
Kennedy Space Center bus tours the nest

106  
00:04:16,140 --> 00:04:13,250  
is large enough to fit a king-size bed

107  
00:04:18,640 --> 00:04:16,150  
with a diameter of 7 feet

108  
00:04:20,469 --> 00:04:18,650  
Kennedy property also has a varied

109  
00:04:22,710 --> 00:04:20,479  
habitats including coastal dunes

110  
00:04:26,080 --> 00:04:22,720  
saltwater estuaries and marshes

111  
00:04:28,930 --> 00:04:26,090  
freshwater impoundments scrub pine

112  
00:04:31,090 --> 00:04:28,940  
flatwoods and hardwood hammocks these

113  
00:04:34,540 --> 00:04:31,100

habitats provide refuge for more than

114

00:04:37,120 --> 00:04:34,550

1,000 species of plants of these there

115

00:04:39,790 --> 00:04:37,130

are 39 state listed plants as threatened

116

00:04:42,700 --> 00:04:39,800

endangered or species of special concern

117

00:04:44,350 --> 00:04:42,710

within kennedy's boundaries the kandy

118

00:04:46,600 --> 00:04:44,360

environmental program supports to

119

00:04:48,820 --> 00:04:46,610

preserve by balancing its programs with

120

00:04:50,460 --> 00:04:48,830

those of our launch activities one

121

00:04:52,710 --> 00:04:50,470

example is our shoreline restoration

122

00:04:54,450 --> 00:04:52,720

project the shoreline restoration

123

00:04:56,430 --> 00:04:54,460

projects the mission

124

00:04:58,279 --> 00:04:56,440

is to protect our launch infrastructure

125

00:05:00,870 --> 00:04:58,289

from the encroachment from the sea a

126

00:05:04,140 --> 00:05:00,880

secondary benefit it is protecting

127

00:05:06,450 --> 00:05:04,150

animal life by giving natural habitat to

128

00:05:09,150 --> 00:05:06,460

those animals that make the coastline

129

00:05:11,400 --> 00:05:09,160

their home other examples of the

130

00:05:13,230 --> 00:05:11,410

environmental programs impacted Kennedy

131

00:05:15,360 --> 00:05:13,240

include support of controlled burns

132

00:05:17,939 --> 00:05:15,370

which help manage the overgrowth of

133

00:05:20,610 --> 00:05:17,949

vegetation at the center participation

134

00:05:22,230 --> 00:05:20,620

in America Recycles day or the many

135

00:05:25,409 --> 00:05:22,240

solar farms throughout the center that

136

00:05:26,879 --> 00:05:25,419

provide clean power to our facilities so

137

00:05:29,339 --> 00:05:26,889

as you can see the Kennedy Space Center

138

00:05:31,110 --> 00:05:29,349

has a very robust environmental program

139

00:05:32,730 --> 00:05:31,120

that not only takes care of our

140

00:05:35,040 --> 00:05:32,740

environment but also does some of the

141

00:05:36,749 --> 00:05:35,050

greatest things off the earth I want to

142

00:05:39,120 --> 00:05:36,759

thank you for sharing Earth Day with me

143

00:05:42,210 --> 00:05:39,130

today and remember if you're on Twitter

144

00:05:45,810 --> 00:05:42,220

or Instagram you can reach us at hashtag

145

00:05:46,980 --> 00:05:45,820

Earth Day at home back to you Joshua so

146

00:05:48,839 --> 00:05:46,990

there you have it not only is the

147

00:05:50,879 --> 00:05:48,849

Kennedy Space Center a technological and

148

00:05:52,230 --> 00:05:50,889

engineering masterpiece where we push

149

00:05:54,930 --> 00:05:52,240

the boundaries of what's possible for

150

00:05:57,390 --> 00:05:54,940

exploration and the future we are also a

151  
00:05:59,640 --> 00:05:57,400  
National Wildlife Refuge where nature

152  
00:06:01,080 --> 00:05:59,650  
meets technology so as we push the

153  
00:06:03,149 --> 00:06:01,090  
boundaries as we're reaching for new

154  
00:06:05,610 --> 00:06:03,159  
heights we're also doing everything we

155  
00:06:06,689 --> 00:06:05,620  
can for those on earth and in space to

156  
00:06:08,939 --> 00:06:06,699  
make sure that they're ready and

157  
00:06:11,279 --> 00:06:08,949  
prepared and well taken care of for

158  
00:06:13,050 --> 00:06:11,289  
future generations that's all for this

159  
00:06:15,149 --> 00:06:13,060  
special edition of NASA at home

160  
00:06:18,240 --> 00:06:15,159  
spaceport series I'm Joshua sanentur

161  
00:06:18,800 --> 00:06:18,250  
reminding you that even the sky isn't