

1

00:00:00,000 --> 00:00:07,000

Please, don't try anything that you're about to see us do at home.

2

00:00:07,000 --> 00:00:09,000

Ever.

3

00:00:09,000 --> 00:00:12,000

Stand back.

4

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

Whoa!

5

00:00:14,000 --> 00:00:19,000

The Mythbusters Super Size 2-Hour Special is so big.

6

00:00:19,000 --> 00:00:24,000

It has its own area code.

7

00:00:24,000 --> 00:00:26,000

Whoa.

8

00:00:26,000 --> 00:00:38,000

For a monster start, Janie and Adam journey to South Africa to sink their teeth into sharp myths with great whites.

9

00:00:38,000 --> 00:00:41,000

Then buckle up.

10

00:00:41,000 --> 00:00:43,000

Keep changed.

11

00:00:43,000 --> 00:00:47,000

As team terminal finds out what actually happens if you got stuck in traffic.

12

00:00:47,000 --> 00:00:50,000

Look at the size of these engines!

13

00:00:50,000 --> 00:00:54,000

Behind us, 747.

14

00:00:54,000 --> 00:00:58,000

Next, the guys give a Chevy Impala a Mythbusters tuner.

15

00:00:58,000 --> 00:01:00,000

Go ahead, tailgate. See if I care.

16

00:01:00,000 --> 00:01:07,000

To test the legend that if you fit it with astronomical rockets, it will really fly.

17

00:01:07,000 --> 00:01:08,000

The battle built in.

18

00:01:08,000 --> 00:01:09,000

Kiss my butt.

19

00:01:09,000 --> 00:01:12,000

Finally, testing a Titanic tail.

20

00:01:12,000 --> 00:01:14,000

There she blows, captain!

21

00:01:14,000 --> 00:01:19,000

It's off to the Bahamas as Carri Torian Grant attempt to waterski.

22

00:01:19,000 --> 00:01:21,000

I can't believe we're going to do this.

23

00:01:21,000 --> 00:01:24,000

Behind a colossal cruise ship.

24

00:01:29,000 --> 00:01:30,000

Who are the Mythbusters?

25

00:01:30,000 --> 00:01:33,000

It's target, blow some stuff up.

26

00:01:33,000 --> 00:01:36,000

Adam Savage and Jamie Heineman.

27

00:01:36,000 --> 00:01:38,000

That was fun.

28

00:01:38,000 --> 00:01:42,000

Between them more than 30 years of special effects experience.

29

00:01:42,000 --> 00:01:44,000

This is the kind of thing I do on the weekend.

30

00:01:44,000 --> 00:01:47,000

Joining them, Carri Byron.

31

00:01:47,000 --> 00:01:49,000

Come over here, you smell that?

32

00:01:49,000 --> 00:01:51,000

He's alive!

33

00:01:51,000 --> 00:01:53,000

And Tori Belichi.

34

00:01:53,000 --> 00:01:55,000

It's starting to feel like a bad idea.

35

00:01:55,000 --> 00:01:59,000

They don't just tell the Myths, they put them to the test.

36

00:02:08,000 --> 00:02:15,000

Make room. This show is so supersized, you're going to need two big screens to watch it all.

37

00:02:15,000 --> 00:02:18,000

So Jamie, why the omnipotent stature?

38

00:02:18,000 --> 00:02:21,000

We're doing it special, and it's big.

39

00:02:21,000 --> 00:02:23,000

It's not just big, it is huge.

40

00:02:23,000 --> 00:02:31,000

We're known for big finishes and these are going to be the biggest ever because it's time for the Mythbusters 2-hour Super Size Special.

41

00:02:31,000 --> 00:02:33,000

This is going to be enormous.

42

00:02:33,000 --> 00:02:35,000

Well, you know what they say.

43

00:02:37,000 --> 00:02:40,000

Sometimes, regular just isn't enough.

44

00:02:40,000 --> 00:02:48,000

If you're hungering for some myths with some beef, the Mythbusters Super Size Special is sure to satisfy.

45

00:02:50,000 --> 00:02:53,000

On the menu, we have four giant juicy choices.

46

00:02:53,000 --> 00:03:03,000

Super Size Shark, Super Size Jet Taxi, Super Size Rocket Car, and Super Size Cruise Ship Water Skiing.

47

00:03:03,000 --> 00:03:08,000

Hey Buster, give us one of each with extra cheese.

48

00:03:11,000 --> 00:03:17,000

How about some lip smackin' Super Size Sharks for starters?

49

00:03:19,000 --> 00:03:22,000

The team has taken on these toothy fish before.

50

00:03:22,000 --> 00:03:33,000

In a previous special, they exploded some jaw-dropping shark movie myths and went to the Bahamas to go toe-to-toe with some reef sharks.

51

00:03:34,000 --> 00:03:38,000

But this time, they're taking on the big boys.

52

00:03:38,000 --> 00:03:51,000

At up to 20 feet long and a hefty two tons, the infamous enigmatic Kakaradan Kakarius, or Great White, is the largest predatory shark on the planet.

53

00:03:52,000 --> 00:03:54,000

And no push over.

54

00:03:55,000 --> 00:04:00,000

So it's out with the puny little reef sharks and in with the great whites.

55

00:04:01,000 --> 00:04:04,000

Okay, I can't wait. But what are we doing with them?

56

00:04:04,000 --> 00:04:06,000

Well, we've got a couple of myths to test.

57

00:04:06,000 --> 00:04:08,000

One, it's actually pretty scientific.

58

00:04:08,000 --> 00:04:22,000

The myth is that sharks are attracted to certain sounds underwater, specifically sounds of a low frequency that might to a shark sound like an animal thrashing around injured in trouble, potentially dinner.

59

00:04:22,000 --> 00:04:25,000

Sure, I know that one from spear fishing. What's the other one?

60

00:04:25,000 --> 00:04:30,000

The other one is a lot more anecdotal, but it goes back hundreds and hundreds of years.

61

00:04:30,000 --> 00:04:34,000

You might be familiar with the idea that sharks are afraid of dolphins.

62

00:04:34,000 --> 00:04:41,000

Yeah, I know that one from the Caribbean. The classic myth is shipwrecked sailors surrounded by dolphins and they're fending off sharks.

63

00:04:41,000 --> 00:04:50,000

Exactly. The question that I have is, how the heck are we going to lure a dolphin into the shark-infested waters of South Africa?

64

00:04:50,000 --> 00:04:54,000

Yeah, sounds like that might be a problem. That can mean only one thing, though.

65

00:04:54,000 --> 00:04:58,000

And I know what you're thinking. We're going to have to make our own dolphin to test with.

66

00:04:58,000 --> 00:04:59,000

Yep.

67

00:05:00,000 --> 00:05:07,000

Trying to trick a shark is going to be one fun adventure. So, to get things rolling, it's off to a theme park.

68

00:05:07,000 --> 00:05:12,000

They have dolphins here, so we're going to have a close look at them to figure out the mechanics.

69

00:05:12,000 --> 00:05:20,000

Next, the guy suit up to meet Brett, who possibly has the coolest job title in the world, apprentice killer whale trainer.

70

00:05:20,000 --> 00:05:22,000

And her sidekick, Merlin.

71

00:05:22,000 --> 00:05:23,000

Do the chicken dance.

72

00:05:26,000 --> 00:05:41,000

After some introductory salutations, Merlin struts his stuff, and the guys carefully study the smooth and seemingly effortless way he moves his body through the water, especially his tail end.

73

00:05:42,000 --> 00:05:50,000

What I was seeing was that as the rear of the dolphin was going down, the flipper was going this way, when it was coming up, it was going this way.

74

00:05:50,000 --> 00:05:56,000

And that is the kind of motion that actually makes a dolphin move. That's what I have to do mechanically.

75

00:05:56,000 --> 00:05:58,000

I totally think we can build something like that.

76

00:05:58,000 --> 00:05:59,000

I agree.

77

00:05:59,000 --> 00:06:03,000

And we can make these pectoral fins adjustable so we can scare them a little bit.

78

00:06:03,000 --> 00:06:05,000

I wish we could make them this soft and cute.

79

00:06:06,000 --> 00:06:09,000

Yeah, that'll be a bit of a tall order, but I think we can do it.

80

00:06:09,000 --> 00:06:12,000

Thanks a bunch, Merlin. See you next time.

81

00:06:14,000 --> 00:06:21,000

Back on dry land, to accurately reproduce the curved shape and proportions of their body, the team is going high tech.

82

00:06:22,000 --> 00:06:25,000

We have to get this dolphin to look as close to a real dolphin as possible.

83

00:06:25,000 --> 00:06:28,000

And Chris went online and found us a 3D dolphin.

84

00:06:28,000 --> 00:06:38,000

Now he can take this model and split it up into sections, give me cross sections again, beside and top elevations, everything I need as guides for sculpting our full scale dolphin.

85

00:06:38,000 --> 00:06:44,000

The material they've chosen to make the body of the model is a nice firm grade of upholstery foam.

86

00:06:44,000 --> 00:06:53,000

Jamie came up with the idea to do it out of what we call open cell foam, because like a sponge, it absorbs water, but it's easy for us to work with and there's a lot of it around.

87

00:06:53,000 --> 00:06:55,000

Channeling the king of the sea.

88

00:06:57,000 --> 00:07:04,000

And with the highly accurate 3D graphics as his guide, Adam has the formation of his creation all marked out.

89

00:07:05,000 --> 00:07:15,000

I'm going to cut the dolphin's profile out of enough foam to equal its thickness, then I'm going to cut out its elevation out of that same chunk of foam and slowly contour in all the curves that I need.

90

00:07:16,000 --> 00:07:25,000

Its form can't look fake. If their model isn't good enough to dupe a real shark, their entire experiment will sink.

91

00:07:25,000 --> 00:07:31,000

Now all his bottle nose needs are some, yes, finishing touches.

92

00:07:34,000 --> 00:07:39,000

It's funny how all of a sudden it just, it really makes it into a fish, isn't it?

93

00:07:39,000 --> 00:07:44,000

Oh yeah, I mean that was what I was waiting for. I knew this would be the thing that was like, that's a fish.

94

00:07:44,000 --> 00:07:49,000

Actually guys, a dolphin's not a fish. It's an aquatic mammal.

95

00:07:49,000 --> 00:07:55,000

Biology aside, Jamie starts making a mechanical tail that will mimic the motion of Merlin's.

96

00:07:56,000 --> 00:07:59,000

A modified electric screw gun will power the motor.

97

00:07:59,000 --> 00:08:04,000

He places the drill inside a wooden housing and adds a remote trigger.

98

00:08:06,000 --> 00:08:11,000

And there she is. It's a lot of torque.

99

00:08:13,000 --> 00:08:20,000

Then he assembles the device on top of a plastic dolphin cutout and runs flexible bike chain down the middle like a spine.

100

00:08:20,000 --> 00:08:38,000

Jamie's dolphin isn't exactly moving as gracefully as most, so he and aquarium assistant Jess dialed down the speed of the drill.

101

00:08:38,000 --> 00:08:48,000

That looks pretty darn good.

102

00:08:48,000 --> 00:08:56,000

It sure darn does. With the tail now flapping fluidly, they can join the top to the base with high strength velcro.

103

00:08:56,000 --> 00:09:01,000

I'm going to hold it to his middle, I'm going to feed it back in now.

104

00:09:02,000 --> 00:09:04,000

Aw, he's kind of cute.

105

00:09:04,000 --> 00:09:05,000

Here we go.

106

00:09:05,000 --> 00:09:13,000

Jamie and Adams' impressive build skills have transformed former furniture stuffing into flipper.

107

00:09:13,000 --> 00:09:15,000

That's great!

108

00:09:18,000 --> 00:09:25,000

In a final shark-fooling ploy, they paint their model a subtle yet natural shade of dolphin gray.

109

00:09:25,000 --> 00:09:27,000

Looks like a dolphin to me.

110

00:09:27,000 --> 00:09:34,000

Now all that's left is to put their new playmate in a shipping crate.

111

00:09:34,000 --> 00:09:35,000

They're both in?

112

00:09:35,000 --> 00:09:36,000

Yep.

113

00:09:36,000 --> 00:09:38,000

Oh, watch the tail.

114

00:09:38,000 --> 00:09:40,000

I hope they didn't forget to pack his passport.

115

00:09:40,000 --> 00:09:43,000

Are you planning to be buried in something very similar to this?

116

00:09:43,000 --> 00:09:45,000

I'm not going to get buried.

117

00:09:45,000 --> 00:09:46,000

No.

118

00:09:46,000 --> 00:09:47,000

No.

119

00:09:47,000 --> 00:09:49,000

Your ashes scattered into space or something?

120

00:09:49,000 --> 00:09:50,000

Mulch.

121

00:09:50,000 --> 00:09:51,000

Mulch?

122

00:09:51,000 --> 00:09:52,000

Yeah.

123

00:09:52,000 --> 00:09:53,000

You're going to feed yourself into a wood chipper?

124

00:09:53,000 --> 00:09:54,000

Yeah.

125

00:09:54,000 --> 00:09:55,000

Okay.

126

00:09:55,000 --> 00:10:05,000

Dolphin may not be so happy when he finds out his first overseas adventure is a one-way trip to some of the most shark-infested waters in the world.

127

00:10:05,000 --> 00:10:07,000

But sorry, buddy, no refunds.

128

00:10:07,000 --> 00:10:09,000

Off to Africa.

129

00:10:13,000 --> 00:10:16,000

Craving some more Mythbusters Super-Sci Special?

130

00:10:16,000 --> 00:10:21,000

How about a car-bladen serve of Get Taxi?

131

00:10:21,000 --> 00:10:23,000

Carrie, why are you playing with toys again?

132

00:10:23,000 --> 00:10:27,000

Well, our first myth that we're going to supersize is a special request from the fan site.

133

00:10:27,000 --> 00:10:28,000

It's Get Taxi.

134

00:10:28,000 --> 00:10:30,000

Ah, I love that one.

135

00:10:30,000 --> 00:10:31,000

Yeah, that's a great one.

136

00:10:31,000 --> 00:10:36,000

That's where the taxi driver in Rio de Janeiro ignores a red light on a road running behind the airport.

137

00:10:36,000 --> 00:10:40,000

And the reason the light's red is because there's a jet that's about to take off.

138

00:10:40,000 --> 00:10:44,000

He jams it, the jet takes off, and the taxi takes a tumble.

139

00:10:44,000 --> 00:10:48,000

This headlining story reportedly happened in Rio.

140

00:10:49,000 --> 00:10:54,000

Will driving too close to a plane really cause some serious taxi turbulence?

141

00:10:55,000 --> 00:10:59,000

Years back, Adam and Jamie tried out this cab cliffhanger.

142

00:10:59,000 --> 00:11:03,000

The boys had a taxi and a plane all set for takeoff.

143

00:11:03,000 --> 00:11:07,000

But at the last minute, their flight permission was canceled.

144

00:11:07,000 --> 00:11:10,000

We got a yes yesterday and a no today.

145

00:11:10,000 --> 00:11:13,000

It's just like, ugh.

146

00:11:13,000 --> 00:11:16,000

But now, things are looking up.

147

00:11:17,000 --> 00:11:22,000

It's taken us two years to research, and we found a freight company who are willing to let us use our planes.

148

00:11:22,000 --> 00:11:23,000

It's not just any plane.

149

00:11:23,000 --> 00:11:27,000

It's one of the largest passenger aircraft flying in the sky today.

150

00:11:27,000 --> 00:11:29,000

A jumbo jet, a 747.

151

00:11:29,000 --> 00:11:30,000

Awesome.

152

00:11:30,000 --> 00:11:32,000

Talk about supersize.

153

00:11:32,000 --> 00:11:39,000

And to supersize it even more, we're going to do a taxi, but we're also going to try it with a bus and a small aircraft.

154

00:11:39,000 --> 00:11:41,000

Sweet, let's go.

155

00:11:41,000 --> 00:11:48,000

With their bags packed, our group of X-Men fly out to the Wolverine State, also known as Michigan.

156

00:11:49,000 --> 00:11:54,000

And upon landing, it's plain to see that they've come to the right place.

157

00:11:56,000 --> 00:11:58,000

Last time we did jet taxi, we weren't able to flip a taxi.

158

00:11:58,000 --> 00:11:59,000

Why?

159

00:11:59,000 --> 00:12:00,000

Because we didn't have a jet.

160

00:12:00,000 --> 00:12:01,000

But now we do.

161

00:12:01,000 --> 00:12:06,000

Coletta Air, an international cargo company, has agreed to let us use one of that.

162

00:12:06,000 --> 00:12:08,000

I can't wait!

163

00:12:11,000 --> 00:12:20,000

Weighing in at over 700,000 pounds, measuring almost 250 feet nose to tail, and costing more than \$60 million.

164

00:12:20,000 --> 00:12:24,000

This is the definition of supersize.

165

00:12:24,000 --> 00:12:27,000

And someone's letting the Mythbusters borrow one?

166

00:12:27,000 --> 00:12:29,000

I love you, man!

167

00:12:29,000 --> 00:12:30,000

I love you!

168

00:12:32,000 --> 00:12:34,000

Maybe they should reconsider.

169

00:12:34,000 --> 00:12:37,000

A jet engine sucks air in at the front with a fan.

170

00:12:37,000 --> 00:12:42,000

A series of blades in the compressor then raises the pressure of the air.

171

00:12:42,000 --> 00:12:46,000

This pressurized air is then sprayed with fuel and lit.

172

00:12:46,000 --> 00:12:49,000

The burning gases expand and blast out the back.

173

00:12:49,000 --> 00:12:53,000

But will this blast be enough to capsize a cab?

174

00:12:53,000 --> 00:13:00,000

Before they try to induce any 747-360s, the Mythbusters need to kimp their ride.

175

00:13:01,000 --> 00:13:02,000

That's a good job, kid.

176

00:13:02,000 --> 00:13:03,000

Here you go.

177

00:13:03,000 --> 00:13:04,000

It's a dollar!

178

00:13:04,000 --> 00:13:05,000

Go play.

179

00:13:06,000 --> 00:13:12,000

Once it's clean as a whistle, it's time to get down and dirty with some authentic taxi cab yellow.

180

00:13:14,000 --> 00:13:17,000

Shortly followed by a Mythbusters inspired logo.

181

00:13:19,000 --> 00:13:22,000

And of course the obligatory taxi sign.

182

00:13:22,000 --> 00:13:23,000

That's a taxi cab.

183

00:13:23,000 --> 00:13:25,000

All right, now it's really a taxi.

184

00:13:27,000 --> 00:13:29,000

You know, they have vehicles here that'll push this.

185

00:13:29,000 --> 00:13:30,000

Really?

186

00:13:30,000 --> 00:13:34,000

Finally, David, the smash cab, is ready to be pushed into position.

187

00:13:34,000 --> 00:13:36,000

Boys, put your back into it.

188

00:13:36,000 --> 00:13:39,000

Shortly followed by Goliath the plane.

189

00:13:52,000 --> 00:13:55,000

Look at the size of these engines!

190

00:13:55,000 --> 00:13:59,000

There's no way that a cab is going to stand out next to these!

191

00:14:00,000 --> 00:14:01,000

It's crazy!

192

00:14:02,000 --> 00:14:03,000

Buckle up, folks.

193

00:14:03,000 --> 00:14:05,000

It's going to be a bumpy ride.

194

00:14:05,000 --> 00:14:06,000

Next.

195

00:14:06,000 --> 00:14:14,000

Coming up on Mythbusters, we see if you can actually flip a taxi cab with a 747 jet engine.

196

00:14:14,000 --> 00:14:18,000

Jamie and Adam get a big surprise welcome in South Africa.

197

00:14:19,000 --> 00:14:23,000

And it's all aboard Super-sized cruise ship waterski.

198

00:14:26,000 --> 00:14:38,000

Jamie Heineman, Adam Savliff, and featuring great white sharks as themselves.

199

00:14:38,000 --> 00:14:50,000

Journey from San Francisco all the way to the other side of the world to the western Cape of South Africa to shoot their greatest adventure of all time.

200

00:14:50,000 --> 00:14:53,000

Super-sized sharks!

201

00:14:54,000 --> 00:15:03,000

With Christine Beaches, majestic mountains, and quaint historic buildings, this part of the world looks like something out of a picture postcard.

202

00:15:04,000 --> 00:15:09,000

Adam and Jamie can't wait to meet some of its most celebrated locals.

203

00:15:11,000 --> 00:15:13,000

Mythbusters are in Africa.

204

00:15:13,000 --> 00:15:20,000

It's dawn on false bay near Cape Town, and we're about to head out to see if we can see some real great white attacks.

205

00:15:20,000 --> 00:15:24,000

This is the perfect time. This is the time that they're feeding. We're going to see what we get.

206

00:15:24,000 --> 00:15:32,000

Before testing the Myths, the guys are going on a meet and greet with the expert guides from African shark eco charters.

207

00:15:32,000 --> 00:15:36,000

The blue pointer, too. Makes you wonder what happened to the blue pointer, one.

208

00:15:36,000 --> 00:15:38,000

Maybe we need a bigger boat.

209

00:15:39,000 --> 00:15:48,000

These waters, where the Indian and Atlantic oceans converge, contain some of the highest

concentrations of super-sized great whites on the planet.

210

00:15:49,000 --> 00:15:54,000

We want to see exactly what we're up against. The size of these sharks and the kind of power that they have.

211

00:15:54,000 --> 00:15:58,000

Apparently, it's astonishing, and if we're lucky, we'll be able to see it firsthand.

212

00:15:59,000 --> 00:16:04,000

Their destination is a 600-foot-long granite outcrop called Seal Island.

213

00:16:04,000 --> 00:16:07,000

60,000 reasons the sharks are here.

214

00:16:07,000 --> 00:16:08,000

Wow!

215

00:16:08,000 --> 00:16:09,000

Thousands of them.

216

00:16:09,000 --> 00:16:14,000

With over 60,000 Cape First seals calling this cozy colony home,

217

00:16:14,000 --> 00:16:19,000

It's obvious how this place got its name.

218

00:16:19,000 --> 00:16:27,000

This island is a seal sanctuary as far as humans are concerned. They're not allowed to be hunted, but for the sharks, it's a larder.

219

00:16:29,000 --> 00:16:31,000

Are seals related to walruses?

220

00:16:31,000 --> 00:16:32,000

I don't know.

221

00:16:32,000 --> 00:16:34,000

You feel some kinship or anything?

222

00:16:36,000 --> 00:16:38,000

They all look so happy.

223

00:16:38,000 --> 00:16:41,000

Little do they know that death is lurking below.

224

00:16:44,000 --> 00:16:49,000

To uncover the magnitude of what they're about to take on, the boys are going fishing.

225

00:16:50,000 --> 00:16:55,000

This is our seal decoy. This will attract sharks when we troll it behind the boat.

226

00:16:55,000 --> 00:17:01,000

And it skips along on the surface just like a surfboard. That splashing helps attract the sharks.

227

00:17:02,000 --> 00:17:04,000

Where are fishy, fishy, fishy?

228

00:17:05,000 --> 00:17:14,000

So the skipper tells me that conditions are perfect out here because if it's too clear, everybody can see what's going on.

229

00:17:14,000 --> 00:17:16,000

The sharks can tell...

230

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

Oh!

231

00:17:19,000 --> 00:17:27,000

Wow! Catching massive air like this, the guys can see why the sharks of Falls Bay are known as the extremers of seal hunting.

232

00:17:27,000 --> 00:17:31,000

They come up from underneath the seal, grabbing in their jaws,

233

00:17:31,000 --> 00:17:36,000

and reaching their entire bodies out of the water, slamming down, stunning their prey.

234

00:17:36,000 --> 00:17:39,000

And you thought sharks couldn't fly.

235

00:17:42,000 --> 00:17:45,000

To reel them in even closer, how about some sushi?

236

00:17:46,000 --> 00:17:53,000

We toss these puppies overboard on the float and just as they're about to chomp on them, we yank them out of the way.

237

00:17:53,000 --> 00:17:57,000

It kind of gets them all worked up and they come towards the boat. It's cool.

238

00:17:58,000 --> 00:18:00,000

There we go. Wow!

239

00:18:03,000 --> 00:18:13,000

As a ravenous crowd is enticed, the sea is getting rougher and poor old Adam is feeling a little off color.

240

00:18:15,000 --> 00:18:19,000

Adam's doing his best right now to help us attract more sharks.

241

00:18:20,000 --> 00:18:28,000

Even though super-sized whites are now cruising within just feet of the boat, it still isn't close enough for Jamie.

242

00:18:28,000 --> 00:18:30,000

I want to see the teeth.

243

00:18:30,000 --> 00:18:33,000

So he's going for a dip in the shark cage.

244

00:18:34,000 --> 00:18:41,000

It's one thing to see these sharks from the safety of the boat. It's another thing to get up close and personal with them.

245

00:18:41,000 --> 00:18:43,000

And that's what I'm about to do.

246

00:18:44,000 --> 00:18:51,000

For having mercilessly teased carnivorous creatures with up to 3,000 serrated teeth, he's surprisingly nonchalant.

247

00:18:52,000 --> 00:19:01,000

Well, what can I say? Danger is my middle name. I'm not terribly nervous. You know, whatever happens, happens.

248

00:19:01,000 --> 00:19:04,000

Danger, Heinemann, gets into the cage.

249

00:19:04,000 --> 00:19:07,000

They're shocked aren't you? Left when you get in.

250

00:19:07,000 --> 00:19:16,000

Being inside that shark cage, just really awful. You're just kind of looking off into the merc, waiting for some big thing to all of a sudden loom into your face out of the darkness.

251

00:19:16,000 --> 00:19:21,000

Warning, body parts should be kept inside the bars at all times.

252

00:19:21,000 --> 00:19:26,000

Oh boys, I think he's come back for his new feeding.

253

00:19:26,000 --> 00:19:28,000

Hey, boy!

254

00:19:28,000 --> 00:19:30,000

Coming up! Whoa!

255

00:19:30,000 --> 00:19:33,000

It's head to the safety cage!

256

00:19:33,000 --> 00:19:36,000

It's fresh in the cage!

257

00:19:36,000 --> 00:19:38,000

Come on, look!

258

00:19:38,000 --> 00:19:41,000

There we go, it's breaking free!

259

00:19:41,000 --> 00:19:43,000

It's got to be.

260

00:19:43,000 --> 00:19:45,000

It's not between the blades and the cage.

261

00:19:45,000 --> 00:19:47,000

Oh my lord!

262

00:19:47,000 --> 00:19:49,000

It's breaking free!

263

00:19:49,000 --> 00:19:51,000

It's breaking free!

264

00:19:51,000 --> 00:19:53,000

It's got to be.

265

00:19:53,000 --> 00:19:55,000

It's not between the blades and the cage.

266

00:19:55,000 --> 00:19:57,000

Oh my lord!

267

00:19:58,000 --> 00:20:03,000

Just a few inches closer and Jamie would have had his moustache trimmed.

268

00:20:03,000 --> 00:20:05,000

Come on, it worked.

269

00:20:05,000 --> 00:20:09,000

Like any great fishing story, he'll be telling this one for years.

270

00:20:09,000 --> 00:20:16,000

We're going sideways, we're like, I'm like, okay, we're fine, we're in the cage.

271

00:20:16,000 --> 00:20:19,000

Shark's out there, he'll figure it out, he'll go away.

272

00:20:19,000 --> 00:20:22,000

But still, he was like, rrrrrghhh.

273

00:20:23,000 --> 00:20:26,000

That was pretty intense.

274

00:20:26,000 --> 00:20:33,200

Looks like both Jamie and Adam have had enough stomach churning adventure for one day.

275

00:20:33,200 --> 00:20:35,280

So South Africa has been pretty crazy to us so far.

276

00:20:35,280 --> 00:20:37,160

We did see an air attack.

277

00:20:37,160 --> 00:20:40,480

Jamie almost got eaten.

278

00:20:40,480 --> 00:20:41,920

I threw up.

279

00:20:41,920 --> 00:20:50,280

But now we are able to start our tests.

280

00:20:50,280 --> 00:20:54,280

It's almost chocks away for a super-sized jet taxi.

281

00:20:54,280 --> 00:20:59,440

Our friendly Mythbusters flight crew is about to find out if a taxi got caught behind a

282

00:20:59,440 --> 00:21:04,160

jet as it's about to take off, would it be blown into oblivion?

283

00:21:04,160 --> 00:21:09,800

Tori directs the colossal 747 into the blast zone on an abandoned section of runway.

284

00:21:09,800 --> 00:21:11,800

Get it!

285

00:21:11,800 --> 00:21:16,920

But first, a word from your captain.

286

00:21:16,920 --> 00:21:18,880

So Phillip, you're going to be operating the plane for us.

287

00:21:18,880 --> 00:21:19,880

Yes.

288

00:21:19,880 --> 00:21:22,800

This is really a treat to be up here and to get to see this in person.

289

00:21:22,800 --> 00:21:25,240

There's just way more buttons than I expected.

290

00:21:25,240 --> 00:21:28,520

So how does a 747 compare to other planes?

291

00:21:28,520 --> 00:21:34,800

This one here has 7R4 G2 engines on it, which produce about 54,000 pounds of thrust each.

292

00:21:34,800 --> 00:21:35,800

Wow.

293

00:21:35,800 --> 00:21:40,600

So by now I'm sure you're aware of the myth that a taxi crossed the jet blast in blue

294

00:21:40,600 --> 00:21:41,600

way.

295

00:21:41,600 --> 00:21:42,600

Yes.

296

00:21:42,600 --> 00:21:43,600

In your opinion?

297

00:21:43,600 --> 00:21:47,920

With my experience on the airplane and running the engines, I feel that it's possible.

298

00:21:47,920 --> 00:21:48,920

Really?

299

00:21:48,920 --> 00:21:49,920

Yes.

300

00:21:49,920 --> 00:21:52,120

I cannot wait to see this myself.

301

00:21:52,120 --> 00:21:54,680

Well, Carrie, that makes two of us.

302

00:21:54,680 --> 00:21:59,160

Back at ground zero, the taxi has been positioned 100 feet behind the plane.

303

00:21:59,160 --> 00:22:00,640

So what's the plan?

304

00:22:00,640 --> 00:22:02,920

Do I look excited?

305

00:22:02,920 --> 00:22:04,760

Well, I am.

306

00:22:04,760 --> 00:22:08,040

We're ready to test the jet taxi myth and this is the setup.

307

00:22:08,040 --> 00:22:09,960

We got our 747 in position.

308

00:22:09,960 --> 00:22:11,400

We got our taxi in place.

309

00:22:11,400 --> 00:22:15,400

We got our breakaway line attached to our cable, which is attached to our tow truck.

310

00:22:15,400 --> 00:22:20,200

Now all we need to do is have the captain fire up these engines, have the tow truck, pull

311

00:22:20,200 --> 00:22:24,920

the taxi cab through the jet blast and hopefully we'll flip this cab.

312

00:22:24,920 --> 00:22:30,200

And of course, our taxi will be driven by the ever unfortunate buster.

313

00:22:30,200 --> 00:22:31,200

He changed.

314

00:22:31,200 --> 00:22:33,200

Blood, buddy.

315

00:22:33,200 --> 00:22:38,200

Any last thoughts from our hero driver?

316

00:22:38,200 --> 00:22:43,200

Adam, I am your father.

317

00:22:43,200 --> 00:22:45,200

Oh, interesting.

318

00:22:45,200 --> 00:22:47,200

We're finally here, the real thing.

319

00:22:47,200 --> 00:22:49,080

Where's Jamie and Adam going to be here?

320

00:22:49,080 --> 00:22:51,960

No, you can't beat a real 747.

321

00:22:51,960 --> 00:22:53,640

We're towing a taxi right behind it.

322

00:22:53,640 --> 00:22:56,840

I still can't believe they let us play with the 747.

323

00:22:56,840 --> 00:22:58,840

We're going to turn a taxi into a tumbleweed.

324

00:22:58,840 --> 00:22:59,840

All right, you guys ready?

325

00:22:59,840 --> 00:23:00,840

Yeah.

326

00:23:00,840 --> 00:23:01,840

Absolutely.

327

00:23:01,840 --> 00:23:02,840

Let's do it.

328

00:23:02,840 --> 00:23:03,840

All right, go ahead and fire up the engine.

329

00:23:03,840 --> 00:23:04,840

Ready to fire up the engine.

330

00:23:04,840 --> 00:23:05,840

Try this.

331

00:23:05,840 --> 00:23:09,440

In the cockpit, pilot Philip fires up the plane.

332

00:23:09,440 --> 00:23:10,440

Engine stable.

333

00:23:10,440 --> 00:23:11,440

Roll back.

334

00:23:11,440 --> 00:23:12,440

How to cut out.

335

00:23:12,440 --> 00:23:13,440

All parameters checked.

336

00:23:13,440 --> 00:23:14,440

Watch it.

337

00:23:14,440 --> 00:23:19,040

With buster having a career crisis, I wonder if Mike Rao is hired.

338

00:23:19,040 --> 00:23:23,040

Philip puts the throttle to the metal.

339

00:23:23,040 --> 00:23:29,040

The jump in volume is immense as the engines scream at full power.

340

00:23:29,040 --> 00:23:34,040

Time to hail our cab.

341

00:23:34,040 --> 00:23:39,040

It's now or never for the taxi.

342

00:23:39,040 --> 00:23:45,040

Will it flip or will this myth flop?

343

00:23:45,040 --> 00:23:50,040

It's amazing.

344

00:23:50,040 --> 00:24:01,040

I'm so far incredible than I could have ever even expected.

345

00:24:01,040 --> 00:24:05,040

The second that that taxi hit the jet glass, the hood just ripped off.

346

00:24:05,040 --> 00:24:10,040

It didn't taxi like, it looked like it exploded, pulled off, and the entire thing flipped, end

347

00:24:10,040 --> 00:24:14,040

over, end over, end as if it was a playing card in the wind.

348

00:24:14,040 --> 00:24:18,360

Of course, it was so great that our in-car camera was busted the moment the taxi hit

349

00:24:18,360 --> 00:24:21,080

the stream.

350

00:24:21,080 --> 00:24:25,560

This kind of reckless driving is going to do nothing to enhance the reputation of cab

351

00:24:25,560 --> 00:24:28,040

drivers.

352

00:24:28,040 --> 00:24:30,040

But it does confirm the myth.

353

00:24:30,040 --> 00:24:34,040

A result that's left the car.

354

00:24:34,040 --> 00:24:36,040

That is incredible.

355

00:24:36,040 --> 00:24:38,040

Holy smash.

356

00:24:38,040 --> 00:24:40,040

And its driver trashed.

357

00:24:40,040 --> 00:24:43,040

All right, I guess we're onto the bus.

358

00:24:43,040 --> 00:24:46,040

You're going to be a bus driver now.

359

00:24:46,040 --> 00:24:52,040

That's right, we're not stopping here because next up will a school bus get camed.

360

00:24:52,040 --> 00:24:54,040

Bring out the bus.

361

00:24:54,040 --> 00:24:58,040

Stay super-sized tuned as the team makes some great white mischief.

362

00:24:58,040 --> 00:25:00,040

He's just wondering what the hell to do.

363

00:25:00,040 --> 00:25:02,040

Reps up rocket car.

364

00:25:02,040 --> 00:25:05,040

And has a hoot on the high seas.

365

00:25:05,040 --> 00:25:08,040

Don't attract sharks, you little f***.

366

00:25:14,040 --> 00:25:22,040

Off the western Cape of South Africa, Jamie and Adam have already received a big welcome

367

00:25:22,040 --> 00:25:25,040

by some of its larger than life inhabitants.

368

00:25:25,040 --> 00:25:27,040

Take one.

369

00:25:27,040 --> 00:25:31,040

Now to jump into the myths.

370

00:25:31,040 --> 00:25:37,040

Well, adventures on the high seas with sharks is all well and good, but we have a job to do, don't we?

371

00:25:37,040 --> 00:25:39,040

Yeah, it's time to get to work.

372

00:25:39,040 --> 00:25:44,040

The first one is this mythical low frequency sound attractor for the sharks.

373

00:25:44,040 --> 00:25:48,040

Supposedly, right around 40 hertz is the sound that they love.

374

00:25:48,040 --> 00:25:52,040

Yeah, that's like the frequency of an injured fish that they might be attracted to.

375

00:25:52,040 --> 00:25:54,040

Exactly.

376

00:25:54,040 --> 00:25:57,040

Are you ready to blow some chunks or you want to let me do all of it?

377

00:25:57,040 --> 00:26:00,040

No, I've got some new medicine. I'm willing to try it again.

378

00:26:00,040 --> 00:26:02,040

Okay.

379

00:26:02,040 --> 00:26:08,040

Back on board the blue pointer too, the guys return to the great white's preferred dining destination.

380

00:26:08,040 --> 00:26:10,040

The island.

381

00:26:10,040 --> 00:26:17,040

Fortunately for Adam, today the ocean is calm, but he's still uneasy about getting breezy.

382

00:26:17,040 --> 00:26:22,040

This could just be a nice little boat ride or I could be on a waterborne vomitory.

383

00:26:22,040 --> 00:26:25,040

I'm anxious about finding out which.

384

00:26:25,040 --> 00:26:34,040

The events of yesterday are still looming large in Jamie's mind and he's telling his it was this big tale to anyone who'll listen.

385

00:26:34,040 --> 00:26:41,040

So all of a sudden this gigantic shark has got its face right in my face.

386

00:26:41,040 --> 00:26:57,040

And I'm like, whoa, and he's thrashing and we're going every which way and finally it sort of flipped around and swam off and we're just like, did that really just happen?

387

00:26:57,040 --> 00:27:04,040

Moving on to the myth, the expert crew often rustle up sharks with a sound wrap.

388

00:27:04,040 --> 00:27:15,040

One thing that tells me that this actually might be true is that the operators of this boat who are very experienced with these sharks occasionally wrap on the side of the boat real fast to try and attract them.

389

00:27:15,040 --> 00:27:18,040

We've seen them do it. It does seem to work.

390

00:27:18,040 --> 00:27:27,040

Great white sharks are defined as apex predators equipped with the most diverse range of super senses of any known hunter.

391

00:27:27,040 --> 00:27:33,040

The theory is when an injured creature moves, it creates low frequency sound vibrations.

392

00:27:33,040 --> 00:27:40,040

Sharks detect these vibrations with their hearing and receptors that run along their flanks called lateral lines.

393

00:27:40,040 --> 00:27:46,040

With this highly sensitive sense, they can feel sound with their entire bodies.

394

00:27:48,040 --> 00:27:52,040

So how did Jamie and Adam plan to conduct their test?

395

00:27:52,040 --> 00:28:02,040

I'm going to get in the shark cage again and we're going to be putting speakers underwater and we'll see whether we see a distinct difference in the behavior of these sharks.

396

00:28:02,040 --> 00:28:14,040

They submerge three powerful underwater speakers that'll broadcast a variety of frequencies, along with the shark cage and in his custom made mythbusters wetsuit, Jamie.

397

00:28:14,040 --> 00:28:16,040

Okay, I'm ready to go in.

398

00:28:16,040 --> 00:28:23,040

I think he's phased by a very possible repeat of some intense great white attention. He's not.

399

00:28:23,040 --> 00:28:30,040

What happened yesterday actually was kind of good. I survived that. I'd be surviving this one for sure.

400

00:28:30,040 --> 00:28:34,040

Up on deck, Adam mans a two way radio.

401

00:28:34,040 --> 00:28:39,040

Okay, I'm set. If you're going to be sick, can you do it on the other side of the boat over?

402

00:28:39,040 --> 00:28:43,040

And Jamie scans the area for sharks.

403

00:28:43,040 --> 00:28:50,040

Jamie has just told me that he does not see a single shark in the vicinity of the boat. So it's a perfect time to start our test.

404

00:28:50,040 --> 00:29:01,040

As we've already seen, these are quintessential shark infested waters. So with no bait or lures in the water, if they do appear, it should only be from the sound.

405

00:29:01,040 --> 00:29:05,040

Can you bring in the sharks? I'm getting bored.

406

00:29:05,040 --> 00:29:10,040

First, the guys need to test that the speakers are working properly.

407

00:29:10,040 --> 00:29:13,040

So guys and gals, by popular request.

408

00:29:13,040 --> 00:29:21,040

Playing the mid-busters theme song to the sharks is like saying, welcome to technology.

409

00:29:21,040 --> 00:29:25,040

Like, why don't you evolve a bit more?

410

00:29:25,040 --> 00:29:30,040

Mid-busters theme tune, running all over the ocean. Over.

411

00:29:30,040 --> 00:29:35,040

And Jamie dances like nobody's watching.

412

00:29:35,040 --> 00:29:44,040

Here in the chilly waters of Fals Bay, South Africa, we have been allowed to see a remarkable occurrence.

413

00:29:44,040 --> 00:29:51,040

The mating dance of the amphibious Heinemann. Remarkable.

414

00:29:51,040 --> 00:29:57,040

The speakers are working great, but Jamie, you need to ditch the 80s robot news.

415

00:29:57,040 --> 00:30:01,040

Time to tune in the myth, the 40 hertz signal.

416

00:30:01,040 --> 00:30:10,040

This is the mythical number that's purported to announce to sharks that dinner is being served.

417

00:30:10,040 --> 00:30:14,040

Hearts are the number of pressure waves per second produced by sound.

418

00:30:14,040 --> 00:30:22,040

Because water particles sit closer together than air particles, sound travels five times faster beneath the ocean.

419

00:30:22,040 --> 00:30:28,040

That means news of a seafood snack should travel fast.

420

00:30:28,040 --> 00:30:33,040

Alright Jamie, I'm going to play the 40 hertz hum now for ten minutes. Over.

421

00:30:33,040 --> 00:30:38,040

Let's play that and see whether they come right up.

422

00:30:38,040 --> 00:30:43,040

As the hum reverberates through the water, Jamie braces himself.

423

00:30:43,040 --> 00:30:50,040

This is kind of like being in a dark closet waiting for a bus to slam through your house. Over.

424

00:30:50,040 --> 00:30:57,040

But after playing the 40 hertz signal for a full ten minutes, not even a curious krill passes by.

425

00:30:57,040 --> 00:31:02,040

I don't see any sharks. I think I'm going to take a nap now. Over.

426

00:31:02,040 --> 00:31:04,040

So what's the verdict?

427

00:31:04,040 --> 00:31:12,040

Nothing really happened. No sharks appeared. This is what scientists tell us is the most likely to actually track the shark.

428

00:31:12,040 --> 00:31:13,040

Didn't do it here.

429

00:31:13,040 --> 00:31:19,040

But maybe 40 is too specific a tone. What if they're off by just a few hertz?

430

00:31:20,040 --> 00:31:27,040

Now I'm going to play a sweep from 0 hertz to 40 hertz for a while and see if anywhere in that zone attracts them.

431

00:31:27,040 --> 00:31:35,040

The human ear is unable to hear sounds below about 20 hertz, but sharks can detect noises as low as 10.

432

00:31:35,040 --> 00:31:41,040

But the long, slow sweep also stirs up nothing.

433

00:31:41,040 --> 00:31:46,040

Well, a sweep from 0 to 40 didn't work either. I don't know. Maybe we should try a high pitch.

434

00:31:47,040 --> 00:31:54,040

High frequency sound isn't what this myth is supposed to be about, but it might appeal to a wider audience.

435

00:31:54,040 --> 00:32:00,040

The sound was there. It was actually very penetrating. It was more clear than any of the other sounds.

436

00:32:00,040 --> 00:32:04,040

Jamie, there is a shark. See it? Over.

437

00:32:04,040 --> 00:32:09,040

There it is. That's a big one. Wow.

438

00:32:09,040 --> 00:32:14,040

It just goes to show you can never predict what's going to be ahead.

439

00:32:14,040 --> 00:32:17,040

Size of a prize bull.

440

00:32:17,040 --> 00:32:21,040

I know. The exact opposite of what we thought was going to happen.

441

00:32:21,040 --> 00:32:26,040

But maybe it wasn't the sound the shark was attracted to, but Jamie.

442

00:32:26,040 --> 00:32:32,040

In his slick black wetsuit, he looks a lot like a sweet, juicy seal.

443

00:32:32,040 --> 00:32:36,040

Best to remove temptation.

444

00:32:36,040 --> 00:32:43,040

For due diligence, we're running the test a second time with Jamie out of the water while I'm up here trying to spot sharks

445

00:32:43,040 --> 00:32:47,040

and hold my lunch down. And right now, it's not looking good for either.

446

00:32:47,040 --> 00:32:50,040

Then let's be quick before Adam's sick.

447

00:32:50,040 --> 00:32:53,040

40 Hertz tone.

448

00:32:53,040 --> 00:32:55,040

No sign of sharks.

449

00:32:55,040 --> 00:32:59,040

10 minutes sweep from 0 to 40 Hertz.

450

00:32:59,040 --> 00:33:01,040

No sign of sharks.

451

00:33:01,040 --> 00:33:03,040

High frequency tone.

452

00:33:03,040 --> 00:33:04,040

Again.

453

00:33:04,040 --> 00:33:06,040

Can you see anything down there?

454

00:33:06,040 --> 00:33:08,040

No sharks.

455

00:33:08,040 --> 00:33:13,040

The myth is busted because we played the sounds, sharks didn't come, and we know they heard them.

456

00:33:13,040 --> 00:33:16,040

Let's get back on dry land.

457

00:33:16,040 --> 00:33:20,040

Yeah, you're looking a little bit green there. Again.

458

00:33:24,040 --> 00:33:30,040

Right after the break, Jamie and Adam recondition a car to launch it into the cosmos.

459

00:33:30,040 --> 00:33:33,040

When internal combustion just isn't enough.

460

00:33:33,040 --> 00:33:40,040

And prepare to hide when the guys play the ultimate prank on a creature not known for its sense of humor.

461

00:33:46,040 --> 00:33:54,040

Forget about portion control. We're ordering up a giant jumbo serve of super sized rocket cars.

462

00:33:56,040 --> 00:33:59,040

It was the myth that launched the legend.

463

00:33:59,040 --> 00:34:00,040

Yee-haw.

464

00:34:00,040 --> 00:34:04,040

Our very first myth busters ever. Jato rocket car.

465

00:34:04,040 --> 00:34:06,040

And so the fun begins.

466

00:34:06,040 --> 00:34:08,040

Check out how fresh faced Adam looks.

467

00:34:08,040 --> 00:34:11,040

But Jamie doesn't seem like he's aged a day.

468

00:34:11,040 --> 00:34:14,040

Could those robot rumors really be true?

469

00:34:14,040 --> 00:34:18,040

The story that started it all was this.

470

00:34:18,040 --> 00:34:26,040

Supposedly, an Air Force sergeant strapped a Jato or jet assisted takeoff unit to a 67 Chevy Impala.

471

00:34:26,040 --> 00:34:33,040

On ignition, the car got up to us, scorching 300 miles an hour when it hit a bump in the road.

472

00:34:33,040 --> 00:34:41,040

Launched into the air, he flew for one and a half miles until the side of a mountain brought his journey and himself to an end.

473

00:34:41,040 --> 00:34:44,040

It sure was a blast.

474

00:34:47,040 --> 00:34:49,040

I'm gonna have to have a green egg to me.

475

00:34:49,040 --> 00:34:57,040

But unleashing the Chevy in the desert with 1,500 pounds of rocket propellant strapped to its back, it only reached 150 miles an hour.

476

00:34:57,040 --> 00:35:00,040

And there was no lift on.

477

00:35:01,040 --> 00:35:05,040

So how did they plan to take this tail to super sized status?

478

00:35:07,040 --> 00:35:12,040

Well, you know, the first time we tried this, we only replicated half of the myth.

479

00:35:12,040 --> 00:35:14,040

We did the circumstances of the myth.

480

00:35:14,040 --> 00:35:17,040

This time we need to replicate the results of the myth.

481

00:35:17,040 --> 00:35:22,040

Specifically, the car increased to 350 miles an hour flying over a mile in the air before bedding itself into a cliff.

482

00:35:22,040 --> 00:35:24,040

Those circumstances?

483

00:35:24,040 --> 00:35:26,040

Those circumstances, the key idea is airborne.

484

00:35:26,040 --> 00:35:29,040

Okay, so how are we gonna get an airborne this time?

485

00:35:29,040 --> 00:35:32,040

I don't see any need to mess around with it. Let's just use a ramp.

486

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

First, they have to find another Chevy Impala.

487

00:35:35,040 --> 00:35:40,040

The original mysteriously disappeared from M5 years ago.

488

00:35:40,040 --> 00:35:42,040

He sold it.

489

00:35:42,040 --> 00:35:43,040

I did not sell it.

490

00:35:43,040 --> 00:35:48,040

The pilot's like, I don't really see any place this show mythbusters can go.

491

00:35:50,040 --> 00:35:52,040

That's pretty much it.

492

00:35:53,040 --> 00:35:55,040

Well, that was fun.

493

00:35:56,040 --> 00:36:01,040

Our researchers have scoured the classic auto classifies once again and found another.

494

00:36:01,040 --> 00:36:04,040

Yeah, Adam. I'm Robert. Hi, Robert.

495

00:36:05,040 --> 00:36:06,040

The guys look under the hood.

496

00:36:06,040 --> 00:36:09,040

Oh, look at that. Shiny parts.

497

00:36:09,040 --> 00:36:11,040

Rev the engine.

498

00:36:14,040 --> 00:36:16,040

Inspect the interior.

499

00:36:16,040 --> 00:36:18,040

The upholstery is like cherry.

500

00:36:18,040 --> 00:36:20,040

And the deal is done.

501

00:36:21,040 --> 00:36:23,040

I think this will do just fine. You got yourself a deal.

502

00:36:25,040 --> 00:36:29,040

Then they tell Robert exactly what they're going to do with his baby.

503

00:36:29,040 --> 00:36:36,040

It's gonna go a lot faster than it would normally and it's most likely gonna be the last thing this car ever does.

504

00:36:36,040 --> 00:36:38,040

Goodbye, Holly.

505

00:36:38,040 --> 00:36:40,040

Oh, you named it Holly? Yeah.

506

00:36:40,040 --> 00:36:42,040

Oh man, the car has a name.

507

00:36:43,040 --> 00:36:47,040

Holly, some cars are born bad.

508

00:36:49,040 --> 00:36:52,040

When internal combustion just isn't enough.

509

00:36:58,040 --> 00:37:03,040

Before sending their cherry upholstery into the clouds, the guys need to conduct some tests.

510

00:37:03,040 --> 00:37:07,040

So Adam's going to make exact reproductions of Holly to scale.

511

00:37:07,040 --> 00:37:11,040

First, Adam pays a visit to our computer geek, Chris.

512

00:37:11,040 --> 00:37:19,040

Chris, I need to use Jamie's laser scanner to scan that and make it about two and a half feet long.

513

00:37:19,040 --> 00:37:20,040

Okay.

514

00:37:20,040 --> 00:37:26,040

Chris scans each of its surfaces with a laser and creates a 3D graphic.

515

00:37:26,040 --> 00:37:29,040

Dude, look at that. Wow.

516

00:37:29,040 --> 00:37:38,040

Then he transfers the information to a CNC machine, a computer-controlled mill, and inserts a block of sturdy foam.

517

00:37:38,040 --> 00:37:40,040

Dude.

518

00:37:42,040 --> 00:37:43,040

Wow.

519

00:37:43,040 --> 00:37:46,040

The CNC is one fine whittler.

520

00:37:47,040 --> 00:37:49,040

That is so awesome.

521

00:37:51,040 --> 00:37:55,040

Next, it's time for a ride in the vacuum form.

522

00:37:55,040 --> 00:37:58,040

My foam master is ready to mold.

523

00:37:58,040 --> 00:38:00,040

This is a piece of plastic.

524

00:38:00,040 --> 00:38:09,040

When it heats up under this heater, I will pull it down over the foam buck and that will create my master pattern for the Impala bodies.

525

00:38:10,040 --> 00:38:12,040

That is lovely. Look at that.

526

00:38:12,040 --> 00:38:15,040

Now that's one hot-looking car.

527

00:38:15,040 --> 00:38:18,040

Adam makes multiple molds.

528

00:38:18,040 --> 00:38:23,040

I always like to vacuum form extra things when I'm going because they're fun.

529

00:38:23,040 --> 00:38:27,040

Then Jess and Dennis do some custom detailing.

530

00:38:28,040 --> 00:38:36,040

With the assembly plant in top gear, Jamie sets out to weigh the real Impala.

531

00:38:36,040 --> 00:38:42,040

If they don't mimic its specs precisely, the entire experiment could be thrown off balance.

532

00:38:42,040 --> 00:38:46,040

On the car, I need to know what its balance point is.

533

00:38:46,040 --> 00:38:51,040

If I put like a pivot underneath it, I need to know where the car would balance out.

534

00:38:51,040 --> 00:38:54,040

That's its center of gravity, or CG.

535

00:38:54,040 --> 00:39:00,040

So, Jamie's going to take it to a metal place where they've got a big scale and then through that determine what its CG is.

536

00:39:00,040 --> 00:39:02,040

3700 pounds.

537

00:39:03,040 --> 00:39:08,040

Now Adam can distribute the load on his reproduction chassis exactly the scale.

538

00:39:08,040 --> 00:39:18,040

So all I need to do is add five more pounds of weight to this and make sure that 55% of its total weight is ahead of the center line, just like on the real car specs.

539

00:39:18,040 --> 00:39:31,040

He adds five pounds to the frame, welds three mini rocket housings on top, and his Tuscalo 67 Chevy Impala is complete, right down to the custom plate.

540

00:39:32,040 --> 00:39:34,040

That's just cool.

541

00:39:36,040 --> 00:39:41,040

Next, Carri Torian Grant give us School Bus a lesson it will never forget.

542

00:39:50,040 --> 00:39:54,040

In super-sized jet taxi, it's myth confirmed.

543

00:39:54,040 --> 00:40:00,040

Driving close behind a full throttle 747 is a bad idea.

544

00:40:00,040 --> 00:40:03,040

A very, very bad idea.

545

00:40:03,040 --> 00:40:06,040

But the bad ideas don't stop there.

546

00:40:06,040 --> 00:40:09,040

After all, this is the super-sized special.

547

00:40:09,040 --> 00:40:14,040

I've just had my most favorite moment ever on MythBusters seeing the taxi flip behind the jet.

548

00:40:14,040 --> 00:40:18,040

Now we're going to see what happens when we drive a bus behind the jet.

549

00:40:18,040 --> 00:40:21,040

This terminal tail could be true.

550

00:40:21,040 --> 00:40:28,040

Now the interesting thing is that at airports all over the world there are buses taking passengers from terminal to terminal.

551

00:40:28,040 --> 00:40:36,040

I'm curious to see what would happen if one of those buses straight off the path and got a little bit too close to a jet.

552

00:40:36,040 --> 00:40:43,040

But before Grant's curiosity gets satisfied, well, the bus needs some last-minute alterations.

553

00:40:43,040 --> 00:40:46,040

Outta your damn kids! Shut up!

554

00:40:46,040 --> 00:40:48,040

Go through that apple!

555

00:40:48,040 --> 00:40:51,040

There are camera positions to be rigged.

556

00:40:51,040 --> 00:40:54,040

A classic movie scene to be replicated.

557

00:40:54,040 --> 00:40:58,040

Bus is rigged with a bomb. Drive straight. Stay above 50.

558

00:40:58,040 --> 00:41:02,040

And a squirrel to be relocated.

559

00:41:02,040 --> 00:41:04,040

So our bus is ready to go.

560

00:41:04,040 --> 00:41:08,040

It was kindly donated to us by the Oscoda School District.

561

00:41:08,040 --> 00:41:11,040

And we're going to do the same thing as the taxi.

562

00:41:13,040 --> 00:41:18,040

We're not exactly sure what's going to happen, but I think we might see some rolling.

563

00:41:18,040 --> 00:41:20,040

There's a lot of flat surface area here.

564

00:41:20,040 --> 00:41:24,040

And if you've ever driven a van on a windy day, it just pushes it.

565

00:41:24,040 --> 00:41:26,040

So I think this thing is just going to poosh.

566

00:41:26,040 --> 00:41:29,040

Then best buckle up buster nice and tight.

567

00:41:30,040 --> 00:41:33,040

Alright, go ahead and fire up the engines when you're ready.

568

00:41:33,040 --> 00:41:35,040

I think stabilized looks good.

569

00:41:35,040 --> 00:41:37,040

Turn it up.

570

00:41:38,040 --> 00:41:40,040

The engines start to turn over.

571

00:41:40,040 --> 00:41:43,040

And it's not long before they're ready to go full throttle.

572

00:41:43,040 --> 00:41:46,040

The engines soon reach full power screen.

573

00:41:46,040 --> 00:41:49,040

And the bus begins its tortuous journey.

574

00:41:49,040 --> 00:41:52,040

Now this bus schools out.

575

00:41:52,040 --> 00:41:55,040

But will it be over and out?

576

00:41:55,040 --> 00:41:58,040

Well, it sure will.

577

00:41:58,040 --> 00:42:02,040

The bus takes a route that's totally outside of the school district.

578

00:42:02,040 --> 00:42:05,040

This incident will have to be reported, you know.

579

00:42:05,040 --> 00:42:09,040

Our team is like a bunch of excited school kids.

580

00:42:09,040 --> 00:42:14,040

It's rolling, lifting it off the ground like 6 or 7 feet.

581

00:42:14,040 --> 00:42:16,040

I can't believe what I just saw.

582

00:42:16,040 --> 00:42:18,040

It was probably one of the coolest things I've seen in a long time.

583

00:42:18,040 --> 00:42:20,040

And we see a lot of cool things here on Mythbusters.

584

00:42:20,040 --> 00:42:23,040

The bus got lift probably about 6 or 8 feet off the ground.

585

00:42:23,040 --> 00:42:26,040

That's probably one of the coolest things I've ever seen in my life.

586

00:42:29,040 --> 00:42:31,040

Okay, the taxi was one thing.

587

00:42:31,040 --> 00:42:32,040

But that bus?

588

00:42:32,040 --> 00:42:34,040

I will never get that image out of my head.

589

00:42:34,040 --> 00:42:35,040

I mean, it got into the air.

590

00:42:35,040 --> 00:42:36,040

It had hang time.

591

00:42:36,040 --> 00:42:38,040

It actually had hang time.

592

00:42:38,040 --> 00:42:40,040

I cannot wait to see the high speed.

593

00:42:40,040 --> 00:42:42,040

Then here it is, Karen.

594

00:42:42,040 --> 00:42:44,040

The bus hits the jet stream.

595

00:42:44,040 --> 00:42:47,040

This huge surface area acts like a giant sail.

596

00:42:47,040 --> 00:42:51,040

And it gets picked up and dumped like a yacht in a hurricane.

597

00:42:54,040 --> 00:42:56,040

What the heck?

598

00:42:56,040 --> 00:42:59,040

Look, we can chop off the top and we'll have a party bus.

599

00:42:59,040 --> 00:43:00,040

Buster!

600

00:43:00,040 --> 00:43:01,040

Look at him!

601

00:43:01,040 --> 00:43:02,040

Is he okay?

602

00:43:02,040 --> 00:43:03,040

Are you there?

603

00:43:03,040 --> 00:43:04,040

Hey, he's all...

604

00:43:04,040 --> 00:43:05,040

Ooh.

605

00:43:05,040 --> 00:43:06,040

Ooh.

606

00:43:06,040 --> 00:43:10,040

With Buster now the filling in a steel sandwich, it's Myth...

607

00:43:10,040 --> 00:43:12,040

Obviously confirmed.

608

00:43:12,040 --> 00:43:13,040

I think so.

609

00:43:13,040 --> 00:43:14,040

Oh, man.

610

00:43:14,040 --> 00:43:16,040

Let's move on to an airplane.

611

00:43:16,040 --> 00:43:17,040

Yeah!

612

00:43:17,040 --> 00:43:18,040

Woo!

613

00:43:18,040 --> 00:43:25,040

Coming up, Tori finds out that buying a ticket is an easier way to catch a ride on a cruise ship.

614

00:43:25,040 --> 00:43:32,040

But right after the break, will a normally fearless shark freak when it encounters Flipper?

615

00:43:32,040 --> 00:43:33,040

Ha ha!

616

00:43:41,040 --> 00:43:42,040

Zoosh!

617

00:43:42,040 --> 00:43:49,040

Jamie and Adam are trying to take their groundbreaking Episode 1 Jato Rocket Car to super-sized

heights.

618

00:43:52,040 --> 00:43:58,040

We now have a perfect one-sixth scale model of both our original and our new Impala.

619

00:43:58,040 --> 00:44:05,040

We replicated the rocket structure on top that we put on it in Episode 1 and we are going to replicate the exact amount of thrust we had in Episode 1.

620

00:44:05,040 --> 00:44:14,040

We're going to add a ramp and hopefully this scale test will tell us if the original rockets we had on our original Impala are enough to get that thing airborne.

621

00:44:14,040 --> 00:44:20,040

To conduct their scale tests, Jamie and Adam are going to spread their wings at this abandoned aircraft hangar.

622

00:44:20,040 --> 00:44:21,040

Hey, sir.

623

00:44:21,040 --> 00:44:22,040

How you doing?

624

00:44:22,040 --> 00:44:27,040

Rocket tree expert Eric is in charge of getting things all fired up.

625

00:44:29,040 --> 00:44:35,040

While Adam preps the car, Jamie gets to work measuring and setting up a ramp.

626

00:44:35,040 --> 00:44:37,040

Looks like a ramp to me.

627

00:44:37,040 --> 00:44:39,040

So how's the test going to run?

628

00:44:39,040 --> 00:44:43,040

At the go signal, I'm going to start the car towards the ramp.

629

00:44:43,040 --> 00:44:46,040

When it's about three quarters of the way towards the ramp, Eric will press launch.

630

00:44:46,040 --> 00:44:53,040

The car plus the rockets are going to take off and well, if everything goes right, they're going to fly over a thousand feet.

631

00:44:53,040 --> 00:44:57,040

Now to see if the ramp will give the guys the lift off they're looking for.

632

00:44:57,040 --> 00:45:00,040

Okay, in three, two, one.

633

00:45:08,040 --> 00:45:10,040

That didn't go the way I expected, really.

634

00:45:10,040 --> 00:45:14,040

The rockets went off, but so did the car.

635

00:45:14,040 --> 00:45:16,040

Every which way but where it should.

636

00:45:17,040 --> 00:45:25,040

When we add this much power to a vehicle, if it's not really carefully done, the vehicle can go out of control.

637

00:45:25,040 --> 00:45:27,040

That's exactly what happened.

638

00:45:27,040 --> 00:45:29,040

It went off, you can even see this line here.

639

00:45:29,040 --> 00:45:32,040

It took off at a right angle instead of going straight.

640

00:45:32,040 --> 00:45:36,040

To try and rein it in, Adam adjusts the speed of the run up.

641

00:45:36,040 --> 00:45:40,040

In three, two, one.

642

00:45:43,040 --> 00:45:46,040

But again, it veers off course.

643

00:45:48,040 --> 00:45:53,040

The second the hit the ramp the rocket goes off, it veers off.

644

00:45:53,040 --> 00:45:55,040

Well, you know, I just had a thought.

645

00:45:55,040 --> 00:46:02,040

When they make a real rocket, they don't put the rocket engines on the side or the top of the rocket.

646

00:46:02,040 --> 00:46:05,040

They put it at the back of the rocket, right?

647

00:46:05,040 --> 00:46:08,040

So why don't we put the rocket on the back of the rocket?

648

00:46:08,040 --> 00:46:12,040

The engines on the back, if we put it on the roof, of course it's going to do something weird.

649

00:46:12,040 --> 00:46:14,040

Right, right.

650

00:46:14,040 --> 00:46:18,040

To try and eliminate the weirdness, Adam reconfigures the chassis.

651

00:46:18,040 --> 00:46:22,040

So instead of being on top of the car, the rockets will sit on the back.

652

00:46:22,040 --> 00:46:26,040

They're also going to increase the amount of propulsion.

653

00:46:26,040 --> 00:46:29,040

We just used an F motor. This time let's use a K motor.

654

00:46:29,040 --> 00:46:33,040

It's 10 times the thrust. We'll get that car to fly.

655

00:46:33,040 --> 00:46:41,040

On their scale model Chevy, these rockets are the equivalent of a super-sized 10,000 pounds of thrust.

656

00:46:41,040 --> 00:46:42,040

Three.

657

00:46:42,040 --> 00:46:44,040

Team on has three seconds and counting.

658

00:46:44,040 --> 00:46:46,040

One, go.

659

00:46:49,040 --> 00:46:54,040

This time the Impala launches over the rim and flies into the stratosphere.

660

00:46:54,040 --> 00:46:56,040

Sort of.

661

00:46:57,040 --> 00:47:00,040

Let's get down there with the fire extinguisher.

662

00:47:00,040 --> 00:47:07,040

The trail of burn marks across the floor and all the way out the door is just what they were hoping for.

663

00:47:08,040 --> 00:47:10,040

There it is.

664

00:47:10,040 --> 00:47:12,040

There's your problem.

665

00:47:12,040 --> 00:47:14,040

We lost the front end.

666

00:47:14,040 --> 00:47:17,040

Putting the rocket on the centerline of the car is clearly the way to go.

667

00:47:17,040 --> 00:47:20,040

It gave us a market improvement on this flight.

668

00:47:20,040 --> 00:47:26,040

We also gave it considerably more power and we got a nice clean trajectory off the ramp.

669

00:47:26,040 --> 00:47:29,040

I think that's what we need to do on the full-size car.

670

00:47:29,040 --> 00:47:31,040

We're good to go.

671

00:47:31,040 --> 00:47:35,040

Eric, that's for your trophy room there.

672

00:47:35,040 --> 00:47:52,040

The motivation behind making the Mythbusters super-size special is why go for small or even medium when bigger is so much better.

673

00:47:52,040 --> 00:48:00,040

So in the ultimate anti-diet, next up is a whopping slice of cruise ship water skiing.

674

00:48:01,040 --> 00:48:05,040

You guys ready to show off your farmer's tans and six packs?

675

00:48:05,040 --> 00:48:07,040

More like a pony cake.

676

00:48:07,040 --> 00:48:10,040

Anyway, we're going to go water skiing but we're going to switch it up.

677

00:48:10,040 --> 00:48:14,040

One of the viewers off of the fan site had a really good suggestion.

678

00:48:14,040 --> 00:48:16,040

A cruise ship.

679

00:48:16,040 --> 00:48:18,040

Yeah, we're going on a cruise.

680

00:48:20,040 --> 00:48:29,040

Set a course for adventure as we embark on a myth from the fan site that's exciting and new and possibly perilous.

681

00:48:31,040 --> 00:48:36,040

The plan is to get a cruise ship to travel at a steady speed of 14 knots.

682

00:48:36,040 --> 00:48:38,040

That's about 18 miles an hour.

683

00:48:38,040 --> 00:48:41,040

Trailing a 300 foot long tow rope.

684

00:48:41,040 --> 00:48:52,040

Following along side will be a water skier on a speedboat who in a daring maneuver will try to grab the ship's rope and go for a super-sized ride.

685

00:48:52,040 --> 00:48:58,040

First, the team cruises over to Willie's Water Ski Center for some schooling.

686

00:48:58,040 --> 00:48:59,040

You ready for this?

687

00:48:59,040 --> 00:49:02,040

Tori has been selected as the one to make the attempt.

688

00:49:02,040 --> 00:49:04,040

A little privacy.

689

00:49:04,040 --> 00:49:09,040

He's only water skied once before but that's once more than Karrion Grant.

690

00:49:09,040 --> 00:49:14,040

There's a big concern about transitioning from the tow boat to the cruise liner.

691

00:49:14,040 --> 00:49:17,040

My biggest concern is am I going to be able to stay up?

692

00:49:17,040 --> 00:49:21,040

I've only done it once before. This should be interesting.

693

00:49:21,040 --> 00:49:27,040

As a former national German water ski champion, Willie is the guide who whipped Tori into shape.

694

00:49:27,040 --> 00:49:37,040

Then I will drag you a little bit behind the boat and when I scream at you ready, then I'll give you the OK and we go.

695

00:49:37,040 --> 00:49:38,040

OK.

696

00:49:38,040 --> 00:49:43,040

OK. Making the task even more challenging, Tori's going to be using a wakeboard.

697

00:49:43,040 --> 00:49:49,040

At just 15 inches wide, there won't be a whole lot of surface area for Tori to stand on.

698

00:49:49,040 --> 00:49:51,040

Hit it! Hit it!

699

00:49:56,040 --> 00:49:58,040

It looks like this could take a while.

700

00:49:58,040 --> 00:49:59,040

Give me some time.

701

00:49:59,040 --> 00:50:03,040

While Grant and Karrion catch some rays, Tori tries again.

702

00:50:03,040 --> 00:50:07,040

Tori, keep your knees bent as long as you can, OK?

703

00:50:07,040 --> 00:50:11,040

This time Willie gets the speed of the boat up to 14 knots.

704

00:50:11,040 --> 00:50:14,040

The same speed the cruise ship will be traveling at.

705

00:50:14,040 --> 00:50:16,040

He's doing good. I'm so proud.

706

00:50:16,040 --> 00:50:18,040

He is. He's doing great.

707

00:50:18,040 --> 00:50:20,040

Look, ma, only one hand.

708

00:50:24,040 --> 00:50:28,040

Seems like Tori's got the speed down, but here comes the hard part.

709

00:50:28,040 --> 00:50:32,040

Now all we have to do is the rope switch. That shouldn't be too hard.

710

00:50:32,040 --> 00:50:41,040

A swift rope switch is the key to success, so the team is going to practice the scenario using a second boat as a cruise ship stand-in.

711

00:50:41,040 --> 00:50:47,040

The way it's going to work is I'm going to be holding on to the boom pole as I'm wakeboarding and that's going to give me some more stability.

712

00:50:47,040 --> 00:50:52,040

And then the other boat's going to have the tow rope. It's going to come up next to it, get to the same speed.

713

00:50:52,040 --> 00:50:56,040

I'm going to grab that rope and hopefully make the transition in sheep skiing.

714

00:50:56,040 --> 00:50:59,040

Tori is ready for his first attempt.

715

00:50:59,040 --> 00:51:03,040

Really stay low on the board with your shoulders up.

716

00:51:03,040 --> 00:51:07,040

Don't reach over for the handle. I bring you to it. OK.

717

00:51:07,040 --> 00:51:12,040

They're coming out. Handle's out. Here comes the cruise ship.

718

00:51:12,040 --> 00:51:13,040

Here we go.

719

00:51:14,040 --> 00:51:19,040

Tori keeps his center of gravity low, just like Willie said.

720

00:51:19,040 --> 00:51:25,040

But even though the second rope is within inches of his reach, it slips through his fingers.

721

00:51:28,040 --> 00:51:30,040

So close!

722

00:51:30,040 --> 00:51:34,040

The hardest part is seeing the handle in the whitewash.

723

00:51:34,040 --> 00:51:41,040

I could see the line and I see where it goes, but it's like there's so much weight that you can't see where the handle actually is.

724

00:51:41,040 --> 00:51:43,040

He tries again.

725

00:51:49,040 --> 00:51:57,040

This time Tori not only finds his feet, but also the rope, and slowly works his way down to the grip handle.

726

00:51:57,040 --> 00:51:59,040

Here we go!

727

00:51:59,040 --> 00:52:02,040

I'm the cruise ship!

728

00:52:02,040 --> 00:52:03,040

Yeah!

729

00:52:03,040 --> 00:52:08,040

Grant hasn't been this excited since the Backstreet Boys reunited.

730

00:52:09,040 --> 00:52:13,040

But when Tori tries to repeat his moment of glory...

731

00:52:13,040 --> 00:52:14,040

Oh!

732

00:52:14,040 --> 00:52:17,040

Face planned. That's a good...

733

00:52:17,040 --> 00:52:20,040

He just can't seem to recapture it.

734

00:52:20,040 --> 00:52:25,040

If Tori fumbles on the day, the entire experiment will be a washout.

735

00:52:26,040 --> 00:52:28,040

I think it's gonna be tough.

736

00:52:28,040 --> 00:52:32,040

I think it's gonna be real tough, especially when we're out in the open water and it's just choppy and wavy.

737

00:52:32,040 --> 00:52:34,040

Oh man!

738

00:52:34,040 --> 00:52:37,040

Carrie has some final encouraging words.

739

00:52:37,040 --> 00:52:40,040

Hope you have a lot of time for practice.

740

00:52:40,040 --> 00:52:47,040

Pack some coconut oil, because the team promises something for everyone as they cruise to the Bahamas.

741

00:52:47,040 --> 00:52:51,040

Jamie wasn't the only one in that surcage. I got in it as well.

742

00:52:51,040 --> 00:52:57,040

Yeah, right. So if you want to see Adam Barf underwater, log on to Discovery.com slash MythBusters.

743

00:52:57,040 --> 00:52:59,040

It's all there.

744

00:53:00,040 --> 00:53:15,040

Taking shark myths to the max, Jamie and Adam have voyaged all the way to South Africa to find out if an adorable, fun-loving dolphin can give a great white shark the willies.

745

00:53:15,040 --> 00:53:24,040

They've already built a highly realistic animatronic dolphin at M5 that does everything except jump through hoops.

746

00:53:25,040 --> 00:53:31,040

And he's just arrived on the shores of Cape Town. Special delivery.

747

00:53:31,040 --> 00:53:40,040

Inside this crate is an animatronic dolphin. The myth is that sharks are actually afraid of dolphins, so we've traveled halfway across the planet with this guy.

748

00:53:40,040 --> 00:53:46,040

We're about to throw him in the water with the biggest sharks we can find and see if they're actually afraid of him.

749

00:53:47,040 --> 00:53:54,040

Having flown economy for a solid 21 hours with a 7-hour layover, he looks surprisingly refreshed.

750

00:53:54,040 --> 00:53:56,040

He's a good looking dolphin.

751

00:53:56,040 --> 00:53:58,040

You got him? I got him.

752

00:54:00,040 --> 00:54:02,040

This is the picture, right?

753

00:54:04,040 --> 00:54:10,040

This fella looks like he couldn't hurt a fly, but if this myth is true, maybe he's meaner than that.

754

00:54:11,040 --> 00:54:16,040

Dolphins have strong protective instincts towards members of their pod.

755

00:54:16,040 --> 00:54:28,040

Some scientists believe they can be so strong that if they see another creature being threatened by a shark, their biological impulse kicks in and they protect them too.

756

00:54:28,040 --> 00:54:34,040

Faced with such a determined defender, some sharks may decide to high-tail it if they see one.

757

00:54:35,040 --> 00:54:44,040

Having learned that great whites consider breakfast the most important meal of the day, once again the guys head back to Seal Island at dawn.

758

00:54:44,040 --> 00:54:50,040

Physicians smack in the middle of their feeding ground, it's time to test the waters.

759

00:54:50,040 --> 00:54:57,040

Well, it's time for the dolphin to come into play, but I think first we need to tow a seal to make sure that we've got action out here. We've got sharks in the area.

760

00:54:57,040 --> 00:55:01,040

Absolutely. Let's do the decoy as a control and then do the decoy plus the dolphin.

761

00:55:02,040 --> 00:55:07,040

Once again, their hapless bogey seal is being fed to the sharks.

762

00:55:07,040 --> 00:55:09,040

You feeling lucky, punk?

763

00:55:10,040 --> 00:55:12,040

I am feeling lucky.

764

00:55:13,040 --> 00:55:15,040

And just like that...

765

00:55:22,040 --> 00:55:24,040

I guess they're hungry today.

766

00:55:25,040 --> 00:55:28,040

I'm speechless. That was stunning.

767

00:55:28,040 --> 00:55:33,040

We got our first hit on the decoy alone within five seconds of putting it in the water.

768

00:55:33,040 --> 00:55:36,040

These sharks are hungry and they're definitely out here.

769

00:55:36,040 --> 00:55:38,040

Let's get the dolphin in the water.

770

00:55:38,040 --> 00:55:39,040

Okay.

771

00:55:39,040 --> 00:55:49,040

With the sharks obviously eager to stuff themselves with a seal swimming solo, let's see if putting a dolphin in the water will make them less avaricious.

772

00:55:49,040 --> 00:55:50,040

Perfect.

773

00:55:50,040 --> 00:55:51,040

Ready?

774

00:55:51,040 --> 00:55:57,040

Cautiously placing their masterful creation off the stern, they release him for his very first swim.

775

00:55:57,040 --> 00:55:59,040

Look at that!

776

00:55:59,040 --> 00:56:01,040

He's a natural.

777

00:56:01,040 --> 00:56:03,040

Look at that tail action.

778

00:56:03,040 --> 00:56:04,040

It looks great.

779

00:56:04,040 --> 00:56:06,040

It looks perfect.

780

00:56:06,040 --> 00:56:12,040

It's a beautiful thing to see such a magnificent, phony creature in the wild.

781

00:56:12,040 --> 00:56:15,040

It looks exactly like a dolphin.

782

00:56:15,040 --> 00:56:18,040

If I was taking a boat out here, I'd be like, oh, check out the dolphin.

783

00:56:18,040 --> 00:56:21,040

Look at the spray-painted former mattress.

784

00:56:21,040 --> 00:56:31,040

With their animatronic dolphin operating on a way more sophisticated level than the fake seal, hopefully it will easily fool the great whites.

785

00:56:31,040 --> 00:56:33,040

It's a silhouette of the dolphin.

786

00:56:33,040 --> 00:56:42,040

If the shark is looking up, which is what they're doing, it's going to see a dolphin shape that's too scale, is correct, and it looks just like a dolphin.

787

00:56:42,040 --> 00:56:44,040

All right, we're good.

788

00:56:44,040 --> 00:56:51,040

Sorry, dude, the moment has come to test the myth, but at least now you've got a potential protector.

789

00:56:51,040 --> 00:56:54,040

We're going to have the seal and the dolphin right next to each other.

790

00:56:54,040 --> 00:57:00,040

If the shark strikes the seal while the dolphin is next to it, it's pretty clear that the dolphin is not a deterrent.

791

00:57:00,040 --> 00:57:03,040

So what's the chomping consensus?

792

00:57:03,040 --> 00:57:10,040

Personally, as far as the myth is concerned, I think that a 3500 pound shark versus 300-pound dolphin,

793

00:57:10,040 --> 00:57:13,040

I don't think the shark is going to be too afraid of it.

794

00:57:13,040 --> 00:57:15,040

I'm really curious to see what's going to happen.

795

00:57:15,040 --> 00:57:17,040

We've got such a quick predation this morning.

796

00:57:17,040 --> 00:57:20,040

The conditions aren't just perfect.

797

00:57:20,040 --> 00:57:25,040

The boat slowly moves forward, and the pair are towed a distance behind.

798

00:57:25,040 --> 00:57:32,040

Within minutes, a fin breaks the surface, rushing within inches of the seal.

799

00:57:32,040 --> 00:57:34,040

But there's no snapage.

800

00:57:34,040 --> 00:57:36,040

But he didn't go for it.

801

00:57:36,040 --> 00:57:40,040

No, and he clearly sees the dolphin because he was going in that direction.

802

00:57:40,040 --> 00:57:42,040

Yeah.

803

00:57:42,040 --> 00:57:51,040

This could be the beginning of a beautiful friendship, but was the normally aggressive predator put off by the seal's silent sentinels.

804

00:57:51,040 --> 00:57:58,040

We put out the decoy with the dolphin, and we had a shark come up and investigate the decoy while it was next to the dolphin, but he didn't bite it.

805

00:57:58,040 --> 00:58:03,040

Before jumping to a conclusion, Adam and Jamie have one more test to jump into.

806

00:58:03,040 --> 00:58:05,040

Free lunch.

807

00:58:05,040 --> 00:58:07,040

Contact.

808

00:58:07,040 --> 00:58:16,040

After the break, Carrie, Tori and Grant demonstrate that it's possible to learn how to fly a small plane without ever getting your pilot's license.

809

00:58:16,040 --> 00:58:21,040

And Jamie and Adam overhaul a Chevy Impala super-sized style.

810

00:58:21,040 --> 00:58:24,040

The Batmobile can kiss my butt.

811

00:58:25,040 --> 00:58:37,040

Jamie and Adam are trying to find out if you put giant rockets on the back of a car, will it become one?

812

00:58:37,040 --> 00:58:39,040

Let's talk about rockets for a second.

813

00:58:39,040 --> 00:58:44,040

Okay, the rockets we're going to put in our car are made of something called ammonium perchlorate.

814

00:58:44,040 --> 00:58:54,040

Now, this was first developed around 1940, and it was inspired by Greek fire, actually, which was developed 1500 years earlier.

815

00:58:54,040 --> 00:59:03,040

And the key idea here is that it was a liquid that they could heat up and cast and form it into this tubular shape that you need that burns from the inside out.

816

00:59:03,040 --> 00:59:11,040

And if I'm correct, the rocket fuel that we're using in our rockets for the rocket car is pretty much the same stuff they used in the solid boosters on the space shuttle.

817

00:59:11,040 --> 00:59:12,040

It's the real stuff, baby.

818

00:59:12,040 --> 00:59:14,040

We're using real rockets.

819

00:59:14,040 --> 00:59:16,040

Yeah, they're serious rockets.

820

00:59:17,040 --> 00:59:20,040

Jamie starts modifying the Chevy.

821

00:59:20,040 --> 00:59:26,040

These serious super-sized casings will house rockets with 10,000 pounds of thrust.

822

00:59:26,040 --> 00:59:34,040

With this amount of power, the rockets themselves are being made off-site at one of the premier manufacturers in the nation.

823

00:59:35,040 --> 00:59:43,040

In this particular case, this is like a controlled explosion that is going on here because this rocket fuel, it's essentially an explosive.

824

00:59:43,040 --> 00:59:48,040

When you get it that large, you know, it's best handled by the professionals.

825

00:59:48,040 --> 00:59:51,040

Jamie makes some room in the trunk.

826

00:59:51,040 --> 00:59:53,040

That's the ticket.

827

00:59:54,040 --> 00:59:57,040

And he and Jess slot the pipes into it.

828

01:00:00,040 --> 01:00:02,040

Go ahead, tailgate. See if I care.

829

01:00:04,040 --> 01:00:11,040

But all the extra poundage on the Impala's rear end needs to be addressed or it won't be fit to fly.

830

01:00:11,040 --> 01:00:14,040

It's important to have the center of gravity.

831

01:00:14,040 --> 01:00:19,040

In other words, most of the weight forward of the center line of a rocket.

832

01:00:19,040 --> 01:00:23,040

We do that so that it balances correctly. It flies correctly.

833

01:00:23,040 --> 01:00:29,040

If we don't do that, we'll have a rocket that might like flip in mid-flight.

834

01:00:30,040 --> 01:00:35,040

He adds extra beef to the front end by placing weights around the engine.

835

01:00:35,040 --> 01:00:38,040

We're putting 600 pounds of rocket engine in the back.

836

01:00:38,040 --> 01:00:43,040

So I put 600 pounds of barbell weights and scrap steel in the front.

837

01:00:43,040 --> 01:00:49,040

Therefore, this 55-45 relationship that the car already has is maintained.

838

01:00:51,040 --> 01:00:57,040

Thanks to Jamie and Adam's makeover, she's not only beautifully proportioned but stable.

839

01:00:57,040 --> 01:01:01,040

Ready for her first and most likely last debut.

840

01:01:02,040 --> 01:01:04,040

The Batmobile can kiss my butt.

841

01:01:09,040 --> 01:01:14,040

Back at the airport annihilation, the team has turned a taxi torpedo...

842

01:01:18,040 --> 01:01:20,040

and a bus ballistic.

843

01:01:27,040 --> 01:01:31,040

But there's more high flying fun to come.

844

01:01:31,040 --> 01:01:39,040

If this MythBus Airplane flips in the jet blast, it'll definitely be the last time this thing ever sees flight.

845

01:01:39,040 --> 01:01:44,040

The scenario of a small plane stuck behind a big jet is no joke.

846

01:01:44,040 --> 01:01:46,040

It's just like the Wright brothers, isn't it?

847

01:01:46,040 --> 01:01:48,040

Just like the wrong brothers.

848

01:01:48,040 --> 01:01:54,040

One mistake by an air traffic controller or a pilot and this could easily happen.

849

01:01:55,040 --> 01:01:59,040

Their final form of transportation should literally reach the skies.

850

01:01:59,040 --> 01:02:02,040

So they're taking extra free flight precautions.

851

01:02:02,040 --> 01:02:08,040

Now the difference with this run is going to be the fact that we saw the lift we got on that bus.

852

01:02:08,040 --> 01:02:11,040

We saw the lift we got on that taxi.

853

01:02:11,040 --> 01:02:18,040

We're a little afraid of blowing this to pieces and possibly damaging a \$60 million plane.

854

01:02:18,040 --> 01:02:22,040

So this time, we're pushing this back an extra 20 feet.

855

01:02:22,040 --> 01:02:25,040

I think it's time to wreck a little plane.

856

01:02:25,040 --> 01:02:26,040

This is it!

857

01:02:26,040 --> 01:02:27,040

Final one.

858

01:02:27,040 --> 01:02:30,040

This is the grand finale.

859

01:02:32,040 --> 01:02:36,040

I love that sound! That's the sound of destruction!

860

01:02:38,040 --> 01:02:40,040

The plane gets towed...

861

01:02:42,040 --> 01:02:45,040

and it's up, up and away, but not for long.

862

01:02:46,040 --> 01:02:56,040

It seems that the extra distance from the 747 meant that the small plane got out of it relatively unscathed.

863

01:02:58,040 --> 01:03:03,040

Of course, I say relatively, but Buster's again out for the count.

864

01:03:03,040 --> 01:03:04,040

Look at that!

865

01:03:04,040 --> 01:03:06,040

Well, you know what? He wasn't wearing a seatbelt.

866

01:03:06,040 --> 01:03:10,040

That's right. If he didn't wear a seatbelt, he'd be upside down right now.

867

01:03:10,040 --> 01:03:13,040

Sending the taxi toppling...

868

01:03:13,040 --> 01:03:15,040

the bus belly up...

869

01:03:16,040 --> 01:03:26,040

and the plane kamikaze is super-sized confirmation that driving a vehicle behind a 747 is one giant wrong turn.

870

01:03:44,040 --> 01:03:58,040

It's flipper versus jaws as Jamie and Adam explore the myth that the supposedly unshakable great white shark is scared of the seemingly unassuming dolphin.

871

01:04:01,040 --> 01:04:10,040

Testing in the oceans off South Africa, using a fake seal as the lure and an animatronic dolphin as its bodyguard, it appears the myth could have some credence.

872

01:04:11,040 --> 01:04:13,040

But he didn't go for it.

873

01:04:16,040 --> 01:04:24,040

You know, in researching this, we've come across dozens and dozens of anecdotes of dolphins repelling sharks seemingly in an effort to protect humans.

874

01:04:24,040 --> 01:04:26,040

Yeah, they come in from all over the world.

875

01:04:26,040 --> 01:04:31,040

For example, in 2004 in New Zealand, some lifeguards were training on the beach.

876

01:04:31,040 --> 01:04:35,040

Shark swims up, dolphin swims up, shark swims away.

877

01:04:35,040 --> 01:04:46,040

In fact, in Australia earlier that same year, a fisherman had capsized in his boat, was clinging to his dinghy for two days when a couple of great whites showed up and were repelled by a dolphin.

878

01:04:46,040 --> 01:04:56,040

Well, several marine biologists have been studying this phenomenon and they figure that dolphins are intelligent and they're actually capable of altruistic acts.

879

01:04:56,040 --> 01:04:58,040

In other words, they like to help the helpless.

880

01:04:58,040 --> 01:05:00,040

Wow, there might really be something to this.

881

01:05:00,040 --> 01:05:01,040

Yeah.

882

01:05:02,040 --> 01:05:09,040

For their last round of tests, they're upping the shark enticement atty by adding a fresh daily special to the menu.

883

01:05:09,040 --> 01:05:14,040

We're going to set out some bait which has been very successful in bringing the sharks around.

884

01:05:14,040 --> 01:05:23,040

And when the sharks come around, we are going to expose them to the dolphin and see what their reaction is if they recoil in horror.

885

01:05:24,040 --> 01:05:27,040

With the dolphin now a distance away from the bait.

886

01:05:28,040 --> 01:05:31,040

Free lunch, free lunch, free lunch buddy.

887

01:05:31,040 --> 01:05:34,040

It's not long before they get a potential customer.

888

01:05:35,040 --> 01:05:36,040

There he is right there.

889

01:05:36,040 --> 01:05:38,040

Circling.

890

01:05:38,040 --> 01:05:43,040

But just as the shark goes to take a bite, Jamie reels in the dolphin.

891

01:05:43,040 --> 01:05:45,040

It seemed like it fended him off.

892

01:05:45,040 --> 01:05:46,040

It did.

893

01:05:46,040 --> 01:05:49,040

And the tantalizing tuna is left untouched.

894

01:05:50,040 --> 01:05:53,040

I think it is really telling that he didn't go after it.

895

01:05:53,040 --> 01:05:55,040

They serve up another portion.

896

01:05:55,040 --> 01:05:58,040

And again, they get some interest.

897

01:06:01,040 --> 01:06:02,040

Yeah.

898

01:06:02,040 --> 01:06:03,040

Oh, this is great.

899

01:06:03,040 --> 01:06:04,040

Look at him.

900

01:06:04,040 --> 01:06:06,040

He's just wondering what the hell to do.

901

01:06:06,040 --> 01:06:08,040

But no orders.

902

01:06:08,040 --> 01:06:09,040

Yeah, he's coming in.

903

01:06:09,040 --> 01:06:10,040

He sees the dolphin.

904

01:06:10,040 --> 01:06:11,040

He goes away.

905

01:06:14,040 --> 01:06:16,040

You notice his behavior is totally different too.

906

01:06:16,040 --> 01:06:17,040

He's staying under the surface.

907

01:06:17,040 --> 01:06:19,040

He's not bringing his dorsal fin up or anything.

908

01:06:19,040 --> 01:06:20,040

Yeah.

909

01:06:21,040 --> 01:06:24,040

To see if it's the sight of the dolphin that's making the

910

01:06:24,040 --> 01:06:27,040

normally outgoing sharks behave so shyly.

911

01:06:29,040 --> 01:06:32,040

If I lose a hand or something, you'll help me rebuild a mechanical one?

912

01:06:32,040 --> 01:06:33,040

Yeah.

913

01:06:33,040 --> 01:06:34,040

Okay, cool.

914

01:06:34,040 --> 01:06:37,040

For the final test, they're taking the dolphin out of the equation.

915

01:06:37,040 --> 01:06:39,040

Let it drain.

916

01:06:41,040 --> 01:06:44,040

They want an appropriately sized shark.

917

01:06:50,040 --> 01:06:51,040

That was it.

918

01:06:51,040 --> 01:06:54,040

That was what we were looking for.

919

01:06:54,040 --> 01:06:57,040

With the dolphin out of the picture,

920

01:06:58,040 --> 01:07:02,040

it seems the great whites have finally got their appetites back.

921

01:07:02,040 --> 01:07:03,040

Wow.

922

01:07:03,040 --> 01:07:05,040

Wow, that was awesome.

923

01:07:05,040 --> 01:07:08,040

It goes for the bait when the dolphin's not around,

924

01:07:08,040 --> 01:07:10,040

stays away when the dolphin's around.

925

01:07:11,040 --> 01:07:14,040

So with everything they've seen and experienced on their

926

01:07:14,040 --> 01:07:16,040

South African adventure,

927

01:07:16,040 --> 01:07:20,040

do they believe that if you ever find yourself swimming with sharks,

928

01:07:20,040 --> 01:07:22,040

a dolphin is a good friend to have?

929

01:07:22,040 --> 01:07:25,040

Based on all the evidence we've gotten, I think we can call this.

930

01:07:25,040 --> 01:07:28,040

Yeah, I mean, I wouldn't exactly say that the sharks were afraid of the dolphin,

931

01:07:28,040 --> 01:07:30,040

but they were definitely deterred by it.

932

01:07:30,040 --> 01:07:34,040

There were never any attacks on anything when the dolphin was in the water.

933

01:07:34,040 --> 01:07:35,040

Agreed.

934

01:07:35,040 --> 01:07:39,040

You know, based on our anecdotal evidence and the stuff we've gotten here,

935

01:07:39,040 --> 01:07:41,040

I think this myth is plausible.

936

01:07:41,040 --> 01:07:42,040

Plausible.

937

01:07:42,040 --> 01:07:45,040

Not that I'd be going swimming with my pet dolphin anytime soon.

938

01:07:45,040 --> 01:07:46,040

Agreed.

939

01:08:15,040 --> 01:08:20,040

Oh, face plan.

940

01:08:20,040 --> 01:08:21,040

That's a good.

941

01:08:21,040 --> 01:08:24,040

Now to take their tests supersized,

942

01:08:24,040 --> 01:08:28,040

the team has traveled to Tropical Paradise, the Bahamas,

943

01:08:28,040 --> 01:08:30,040

and amazingly, not just for fun.

944

01:08:30,040 --> 01:08:33,040

Amazingly, we found ourselves a cruise ship.

945

01:08:33,040 --> 01:08:38,040

Imperial Majesty is going to let us use the regal impris for our experiments.

946

01:08:38,040 --> 01:08:40,040

At 10 stories high,

947

01:08:40,040 --> 01:08:42,040

600 feet long,

948

01:08:42,040 --> 01:08:45,040

and 22,000 tons,

949

01:08:45,040 --> 01:08:49,040

the regal impris is beautiful and big.

950

01:08:50,040 --> 01:08:53,040

There she blows, captain.

951

01:08:53,040 --> 01:08:56,040

Captain Contas welcomes Kari aboard.

952

01:08:56,040 --> 01:08:58,040

Have you ever heard of anything that's just nutty?

953

01:08:58,040 --> 01:08:59,040

No, I don't.

954

01:08:59,040 --> 01:09:02,040

So can I go down there and do the whole Titanic thing?

955

01:09:02,040 --> 01:09:03,040

No, no, no.

956

01:09:03,040 --> 01:09:07,040

Two movies making our lives difficult.

957

01:09:07,040 --> 01:09:09,040

One is love boat,

958

01:09:09,040 --> 01:09:12,040

because everybody expects to come on board and find love.

959

01:09:12,040 --> 01:09:18,040

And Titanic, because everybody wants to go there.

960

01:09:18,040 --> 01:09:20,040

And do this.

961

01:09:20,040 --> 01:09:22,040

Sorry, captain.

962

01:09:22,040 --> 01:09:26,040

After this supersized myth, you might have one more headache.

963

01:09:26,040 --> 01:09:28,040

This is doing wonders for my hair.

964

01:09:28,040 --> 01:09:30,040

As the team takes themselves on a tour,

965

01:09:30,040 --> 01:09:33,040

their task is looking a lot rougher than they thought.

966

01:09:33,040 --> 01:09:36,040

Man, it looks a lot choppiier than the lake.

967

01:09:36,040 --> 01:09:38,040

Yeah, I think it is a lot choppiier than the lake.

968

01:09:38,040 --> 01:09:40,040

I mean, it seems pretty stable up here,

969

01:09:40,040 --> 01:09:41,040

but once you get down to the water,

970

01:09:41,040 --> 01:09:43,040

things can be a different story.

971

01:09:43,040 --> 01:09:44,040

I need to find Isaac.

972

01:09:44,040 --> 01:09:45,040

You need a drink.

973

01:09:45,040 --> 01:09:48,040

I thought you were looking for Julie, the cruise director.

974

01:09:48,040 --> 01:09:50,040

Well, after the drink.

975

01:09:50,040 --> 01:09:54,040

Grant treads the tow rope that will be trailing from the back of the ship.

976

01:09:54,040 --> 01:09:59,040

What I'm going to do now is connect up the entire 300 feet of rope,

977

01:09:59,040 --> 01:10:02,040

link it all together, throw it over the edge,

978

01:10:02,040 --> 01:10:04,040

so the toy can grab on to it.

979

01:10:04,040 --> 01:10:06,040

This time the rope is brightly colored,

980

01:10:06,040 --> 01:10:09,040

so it will stand out in the white wash.

981

01:10:09,040 --> 01:10:11,040

Look out below.

982

01:10:11,040 --> 01:10:14,040

It's time to toss caution into the wind.

983

01:10:16,040 --> 01:10:17,040

Attention, passengers.

984

01:10:17,040 --> 01:10:20,040

There will be a wakeboarding demonstration at the back of the boat

985

01:10:20,040 --> 01:10:22,040

following the shovel board tournament.

986

01:10:22,040 --> 01:10:23,040

Make sure you get there early.

987

01:10:23,040 --> 01:10:25,040

You don't want to miss it.

988

01:10:25,040 --> 01:10:30,040

Next, Adam and Jamie really wrap things up for the launch of Rocket Carp.

989

01:10:35,040 --> 01:10:44,040

Jamie and Adam have been thoroughly researching and preparing for a super-sized mission.

990

01:10:44,040 --> 01:10:48,040

Is it possible to turn a Chevy into a shuttle?

991

01:10:50,040 --> 01:10:57,040

Final, after five years of waiting for a second shot to get a 67 in pilot to fly,

992

01:10:57,040 --> 01:10:59,040

the day has dawned.

993

01:11:00,040 --> 01:11:02,040

They arrive at the launch site.

994

01:11:02,040 --> 01:11:07,040

The plan is to build a ramp in front of the mountain.

995

01:11:07,040 --> 01:11:10,040

A cable pulley system will connect a tow truck on one side,

996

01:11:10,040 --> 01:11:14,040

and perpendicular to that, the Chevy Impala.

997

01:11:14,040 --> 01:11:19,040

Attached to the Impala will be rockets with 10,000 pounds of thrust.

998

01:11:19,040 --> 01:11:22,040

The truck will pull the car towards the ramp,

999

01:11:22,040 --> 01:11:24,040

the rockets will ignite,

1000

01:11:24,040 --> 01:11:27,040

and hopefully hurdle the Chevy into the heavens.

1001

01:11:28,040 --> 01:11:33,040

First, they need to erect the all-important ramp.

1002

01:11:33,040 --> 01:11:39,040

Two 40-foot-long shipping containers will be the building blocks for this giant job.

1003

01:11:39,040 --> 01:11:42,040

Phil, ready? We have a lot of work to do to fill it.

1004

01:11:42,040 --> 01:11:43,040

Hold me back.

1005

01:11:43,040 --> 01:11:48,040

The guys have hollered for their good friend and former myth buster, Scotty, to help out.

1006

01:11:48,040 --> 01:11:53,040

Basically, instead of building a ramp, what we decided to do was take two containers

1007

01:11:53,040 --> 01:11:58,040

and we're going to slice them diagonally so that they're basically wedge-shaped,

1008

01:11:58,040 --> 01:12:02,040

flip them over, and run the car off the containers.

1009

01:12:02,040 --> 01:12:06,040

Starting at the top, she slices all the way down to the base.

1010

01:12:06,040 --> 01:12:11,040

Then Jamie fires up one of his favorite forms of transportation.

1011

01:12:11,040 --> 01:12:13,040

Yeah, baby!

1012

01:12:18,040 --> 01:12:21,040

And goes in to do some delicate surgery.

1013

01:12:23,040 --> 01:12:24,040

Yeah!

1014

01:12:26,040 --> 01:12:30,040

With the containers sliced into even chunks, Jamie drags them into position

1015

01:12:32,040 --> 01:12:36,040

and gently nudges them so they lie side by side.

1016

01:12:41,040 --> 01:12:44,040

All the activity is stirring up some interest.

1017

01:12:44,040 --> 01:12:46,040

I'm going in.

1018

01:12:47,040 --> 01:12:49,040

Right there.

1019

01:12:49,040 --> 01:12:54,040

Finally, an army of helpers lay fiberboard over the entire surface

1020

01:12:54,040 --> 01:12:57,040

so the car will have a nice, smooth run-up.

1021

01:12:57,040 --> 01:13:02,040

I think we need to move the whole thing in about six inches to the left.

1022

01:13:02,040 --> 01:13:05,040

Now to shift this myth into gear.

1023

01:13:05,040 --> 01:13:08,040

It's time to install the rockets.

1024

01:13:08,040 --> 01:13:14,040

These babies have been custom-made by one of the most renowned rocket makers in the nation.

1025

01:13:15,040 --> 01:13:20,040

And contain the same kind of highly-charged fuel that's used in the space shuttle.

1026

01:13:20,040 --> 01:13:25,040

These motors are ammonium perchlorate cast slipped inside of the aluminum housing.

1027

01:13:25,040 --> 01:13:27,040

They light at 450 degrees.

1028

01:13:27,040 --> 01:13:31,040

One of these rocket motors have enough thrust to tickle space.

1029

01:13:31,040 --> 01:13:35,040

In a straight trajectory, these things can go up to 20 miles.

1030

01:13:35,040 --> 01:13:40,040

With the rockets taken care of, it's Jamie and Adam's responsibility

1031

01:13:40,040 --> 01:13:43,040

to make sure the car reaches the ramp.

1032

01:13:43,040 --> 01:13:46,040

With only one shot at this, simplicity is key.

1033

01:13:47,040 --> 01:13:50,040

The myth says that the car was moving when the rockets went off.

1034

01:13:50,040 --> 01:13:52,040

So we've got to get the car up to speed.

1035

01:13:52,040 --> 01:13:57,040

The most straightforward and reliable way we know to do that is to pull it with a cable.

1036

01:13:57,040 --> 01:14:04,040

We've done radio controls before, but we're really only interested with the actual airborne part of this.

1037

01:14:04,040 --> 01:14:06,040

And so we're just cutting to the chase.

1038

01:14:06,040 --> 01:14:09,040

To ensure their safety, we're going to use the radio control system.

1039

01:14:09,040 --> 01:14:13,040

To ensure their system is foolproof, they need to do some dry runs.

1040

01:14:13,040 --> 01:14:18,040

Adam is tied surgical tubing to the steering wheel to keep it from drifting off course.

1041

01:14:18,040 --> 01:14:20,040

OK, Scotty.

1042

01:14:20,040 --> 01:14:22,040

Go at will, over.

1043

01:14:22,040 --> 01:14:27,040

As Scotty moves forward, she pulls Adam in a straight line.

1044

01:14:27,040 --> 01:14:30,040

Everything's looking perfect, over.

1045

01:14:31,040 --> 01:14:33,040

But his aim is off.

1046

01:14:33,040 --> 01:14:36,040

Looks like I'm drifting ever so slightly to the right.

1047

01:14:36,040 --> 01:14:38,040

You should stop.

1048

01:14:38,040 --> 01:14:41,040

There was a little bit of wandering towards the end.

1049

01:14:41,040 --> 01:14:47,040

I'm going to try and eliminate that with some tape marks and making sure my surgical tubing is well tensioned.

1050

01:14:48,040 --> 01:14:50,040

Adam redirects the car.

1051

01:14:50,040 --> 01:14:55,040

With all that's at stake, he doesn't care how long it takes to get it right.

1052

01:14:55,040 --> 01:15:00,040

I'm willing to do this for two solid hours, just to dial it in and make sure it's perfect,

1053

01:15:00,040 --> 01:15:03,040

because boy, I'd hate to watch it screw up.

1054

01:15:03,040 --> 01:15:04,040

They go again.

1055

01:15:04,040 --> 01:15:05,040

Lovely.

1056

01:15:05,040 --> 01:15:07,040

Got a nice touch now, Scotty.

1057

01:15:07,040 --> 01:15:09,040

So go ahead and get us up to 20.

1058

01:15:09,040 --> 01:15:11,040

And Adam is right on target.

1059

01:15:11,040 --> 01:15:13,040

OK, stop.

1060

01:15:14,040 --> 01:15:16,040

That was it, over.

1061

01:15:16,040 --> 01:15:19,040

Yeah, you see what I was doing with learning how to really aim this thing.

1062

01:15:19,040 --> 01:15:23,040

Yeah, I could tell from here that you were lined up perfectly.

1063

01:15:23,040 --> 01:15:25,040

All right, I'm good to go.

1064

01:15:25,040 --> 01:15:30,040

With their guidance system operating perfectly, there's only one thing left to do.

1065

01:15:30,040 --> 01:15:32,040

One.

1066

01:15:32,040 --> 01:15:35,040

Is Jamie really going to ride the rocket car to a certain doom?

1067

01:15:35,040 --> 01:15:37,040

Find out next on Mythbusters.

1068

01:15:37,040 --> 01:15:39,040

Next, it's anchors away.

1069

01:15:39,040 --> 01:15:42,040

I can't believe we're going to do this.

1070

01:15:42,040 --> 01:15:46,040

As Tori attempts to wakeboard behind a king-sized cruise ship.

1071

01:15:55,040 --> 01:15:59,040

Waterboard displays have always been wonderful to watch.

1072

01:15:59,040 --> 01:16:04,040

But this spectacular sport is about to be taken to a whole new level.

1073

01:16:04,040 --> 01:16:11,040

Tori has been in training to test the massive myth that it's possible to wakeboard behind a cruise ship.

1074

01:16:11,040 --> 01:16:15,040

But a lake is one thing, the open ocean another.

1075

01:16:15,040 --> 01:16:17,040

So does he have any reservations?

1076

01:16:17,040 --> 01:16:19,040

Why are you trying to freak me out?

1077

01:16:19,040 --> 01:16:21,040

Why do you want me to give you a list of things that will go wrong,

1078

01:16:21,040 --> 01:16:25,040

so that way I can focus on those things and then something will go wrong?

1079

01:16:25,040 --> 01:16:26,040

Someone's on edge.

1080

01:16:26,040 --> 01:16:29,040

Let's get things underway before he completely flips out.

1081

01:16:29,040 --> 01:16:33,040

Oy! Regal Empress, this is Carrie Mistress of the Sea.

1082

01:16:33,040 --> 01:16:40,040

So we'll just keep a communication while we're out there and you tell us when you get to a full 14 knots.

1083

01:16:40,040 --> 01:16:41,040

Wait, wait, okay.

1084

01:16:41,040 --> 01:16:46,040

Captain Contas gives the go-ahead for the moorings of his ship to be released.

1085

01:16:46,040 --> 01:16:47,040

Whoa, look.

1086

01:16:47,040 --> 01:16:48,040

Ropes are going.

1087

01:16:48,040 --> 01:16:49,040

We're doing it!

1088

01:16:49,040 --> 01:16:50,040

You ready?

1089

01:16:50,040 --> 01:16:51,040

Yeah.

1090

01:16:52,040 --> 01:16:54,040

There is no turning back.

1091

01:16:54,040 --> 01:16:59,040

Once this ship sets sail, it's not going to stop, you know, if we kind of mess up a little in the first time.

1092

01:16:59,040 --> 01:17:01,040

It's going to keep going.

1093

01:17:01,040 --> 01:17:08,040

As the ship heads out to sea, it picks up the pace and Team Take Me Away is in hot pursuit.

1094

01:17:08,040 --> 01:17:11,040

I can't believe we're going to do this.

1095

01:17:11,040 --> 01:17:16,040

Six miles out, the ship is cruising at a steady pace of 14 knots.

1096

01:17:16,040 --> 01:17:19,040

Captain, this is Carrie Mistress of the Sea.

1097

01:17:19,040 --> 01:17:20,040

We're going to pass you.

1098

01:17:20,040 --> 01:17:22,040

And put Tori in the water.

1099

01:17:22,040 --> 01:17:23,040

Thank you.

1100

01:17:26,040 --> 01:17:32,040

Their driver and dive master Dexter from Stewart Cove's cranks it to get in front of the ship.

1101

01:17:32,040 --> 01:17:34,040

Okay, you ready to get in the water?

1102

01:17:34,040 --> 01:17:35,040

Yeah.

1103

01:17:35,040 --> 01:17:36,040

Okay, good.

1104

01:17:36,040 --> 01:17:37,040

Get her done.

1105

01:17:37,040 --> 01:17:40,040

Tori perches himself in the water.

1106

01:17:40,040 --> 01:17:41,040

Okay.

1107

01:17:41,040 --> 01:17:45,040

Hey, my little friend, don't attract sharks, you little b*****.

1108

01:17:45,040 --> 01:17:46,040

Okay.

1109

01:17:46,040 --> 01:17:50,040

Then as the ship passes by, he waits for the wake to wash over.

1110

01:17:50,040 --> 01:17:53,040

Hold on, here comes the wake, Tori.

1111

01:17:53,040 --> 01:17:54,040

Everybody hold on.

1112

01:17:54,040 --> 01:17:56,040

There's a wake coming, everybody brace.

1113

01:17:56,040 --> 01:17:58,040

Let's do it.

1114

01:17:58,040 --> 01:17:59,040

Slow.

1115

01:17:59,040 --> 01:18:02,040

Not too fast, not too fast.

1116

01:18:02,040 --> 01:18:08,040

Dexter dexterously inches Tori closer and closer to the rope floating behind the ship.

1117

01:18:08,040 --> 01:18:12,040

Slow, a little slow, a little slow.

1118

01:18:12,040 --> 01:18:14,040

The rope is right within his reach.

1119

01:18:14,040 --> 01:18:19,040

Now for the crucial cruise ship switch maneuver.

1120

01:18:19,040 --> 01:18:22,040

Butterfingers.

1121

01:18:22,040 --> 01:18:26,040

I went for the rope, I just got too excited and I let it go.

1122

01:18:26,040 --> 01:18:32,040

They haul their over excited mate on board and race to get ahead of the ship again.

1123

01:18:32,040 --> 01:18:34,040

Visualize, Tori.

1124

01:18:34,040 --> 01:18:35,040

Visualize.

1125

01:18:35,040 --> 01:18:36,040

So close.

1126

01:18:36,040 --> 01:18:37,040

My heart's beating.

1127

01:18:37,040 --> 01:18:39,040

I can barely breathe.

1128

01:18:39,040 --> 01:18:43,040

They're going to do it one more time and Tori's definitely going to get it this time.

1129

01:18:43,040 --> 01:18:47,040

Okay, hold on for the wake, it's coming now.

1130

01:18:47,040 --> 01:18:49,040

Everyone's rooting for you, buddy.

1131

01:18:49,040 --> 01:18:51,040

You ready, Tori?

1132

01:18:51,040 --> 01:18:53,040

Let's do it.

1133

01:18:53,040 --> 01:18:56,040

Not too fast, not too fast.

1134

01:18:56,040 --> 01:19:00,040

Tori is traveling nicely and gets in the zone.

1135

01:19:00,040 --> 01:19:05,040

I wasn't even paying attention to the wake, I wasn't paying attention to how rough the ocean was,

1136

01:19:05,040 --> 01:19:07,040

I wasn't paying attention to sharks, none of that.

1137

01:19:07,040 --> 01:19:11,040

All I was focusing on was getting over to the rope and making that transition.

1138

01:19:11,040 --> 01:19:25,040

He seizes the rope and holds on like a resolute barnacle.

1139

01:19:25,040 --> 01:19:28,040

It happens so fast, I don't even remember.

1140

01:19:28,040 --> 01:19:32,040

All I know is I grabbed the line really soon and it was slipping through my hand

1141

01:19:32,040 --> 01:19:41,040

so I had to wrap it around my hand just so I could hold on.

1142

01:19:41,040 --> 01:19:50,040

This unique cruise ship adventure has given everyone memories that will last a lifetime.

1143

01:19:50,040 --> 01:19:55,040

Grant hasn't been this excited since the Spice Girls announced their reunion tour.

1144

01:19:55,040 --> 01:20:00,040

But that means myth.

1145

01:20:00,040 --> 01:20:03,040

Dude, that was the coolest thing I've ever done.

1146

01:20:03,040 --> 01:20:05,040

I felt like I was James Bond.

1147

01:20:05,040 --> 01:20:09,040

Well, he was shaken and not stirred.

1148

01:20:09,040 --> 01:20:12,040

Daniel Craig had better watch out.

1149

01:20:12,040 --> 01:20:17,040

Captain Regal Empress, this is Carrie Mistress of the Sea.

1150

01:20:17,040 --> 01:20:19,040

Go ahead, the head's on the brake.

1151

01:20:19,040 --> 01:20:21,040

We did it, we were successful.

1152

01:20:21,040 --> 01:20:23,040

Tori, wakeboarded behind your cruise ship.

1153

01:20:23,040 --> 01:20:26,040

Thank you very much, Captain, we love you.

1154

01:20:26,040 --> 01:20:28,040

Woo!

1155

01:20:28,040 --> 01:20:30,040

Ha ha ha ha!

1156

01:20:34,040 --> 01:20:36,040

Assume your crash positions.

1157

01:20:36,040 --> 01:20:39,040

The vehicle is fully locked and loaded.

1158

01:20:39,040 --> 01:20:45,040

Right after the break, Jamie and Adam launch a 67 Chevy into the stratosphere.

1159

01:20:45,040 --> 01:21:00,040

So I'll let you to cast your mind back to early mythbusters, our first truly spectacular myth,

Rocket Car.

1160

01:21:00,040 --> 01:21:03,040

Remember where we strapped the rocket to the top of an impala?

1161

01:21:03,040 --> 01:21:12,040

Well, we're tackling it again, but this time with ten times the raw power and much bigger rockets.

1162

01:21:12,040 --> 01:21:19,040

The idea is to tow the impala towards this ramp, ignite rockets on its rear with ten thousand pounds of thrust,

1163

01:21:19,040 --> 01:21:25,040

and send it flying over a mile on a direct collision course into this mountain.

1164

01:21:25,040 --> 01:21:32,040

Our rockets were outsourced to explosive experts, and their forecast is far.

1165

01:21:32,040 --> 01:21:37,040

According to our rocket scientists that have calculated all this out,

1166

01:21:37,040 --> 01:21:44,040

we're going to be going upwards of 150 miles an hour by the time the tip of the car reaches the end of the ramp.

1167

01:21:44,040 --> 01:21:50,040

So we're going to continue to go, and I can't help but think we'll go quite far.

1168

01:21:55,040 --> 01:21:59,040

We're fully done. I'm good, I'm good. You can let it go.

1169

01:21:59,040 --> 01:22:02,040

Everyone assumes their positions.

1170

01:22:02,040 --> 01:22:05,040

Is that guys? Clear the scene?

1171

01:22:05,040 --> 01:22:12,040

Okay, the vehicle is fully locked and loaded, and we're on our way to the bunker.

1172

01:22:12,040 --> 01:22:18,040

Scotty will be in the pickup truck, the tow vehicle. She will start towing this car towards the ramp.

1173

01:22:18,040 --> 01:22:22,040

Jamie and I will be in a bunker about 200 feet to the left of the ramp,

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01:22:22,040 --> 01:22:26,040

watching on high speed and in person exactly what's going to happen.

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01:22:26,040 --> 01:22:31,040

We're going to have cameras placed all over the lakebed here to make sure we've covered this from every possible angle

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01:22:31,040 --> 01:22:36,040

and we'll be able to see both from the start of its trajectory all the way to the end, hopefully.

1177

01:22:36,040 --> 01:22:40,040

Okay, this is Jamie. We are good to go.

1178

01:22:40,040 --> 01:22:43,040

So everybody has to be in their safety positions.

1179

01:22:43,040 --> 01:22:46,040

Scotty, there's no difference between this and any other run.

1180

01:22:46,040 --> 01:22:50,040

Only that something highly explosive is behind me.

1181

01:22:50,040 --> 01:22:56,040

There's no turning back now. The moment has come for rocket cars made in flight.

1182

01:22:56,040 --> 01:23:03,040

You are good to go in three, two, one, go.

1183

01:23:05,040 --> 01:23:08,040

Good, it's on the hook. It's moving well.

1184

01:23:09,040 --> 01:23:12,040

There it goes. It's heading towards the ramp.

1185

01:23:17,040 --> 01:23:19,040

Or not.

1186

01:23:19,040 --> 01:23:21,040

Failure is always an option.

1187

01:23:22,040 --> 01:23:30,040

After all the planning, the tension and anticipation for their 67 Chevy Opala,

1188

01:23:30,040 --> 01:23:34,040

the rocket simply exploded, taking her nowhere.

1189

01:23:36,040 --> 01:23:39,040

Wow. What was that? That was one thing I didn't expect.

1190

01:23:39,040 --> 01:23:42,040

Total explosion upon ignition.

1191

01:23:43,040 --> 01:23:45,040

Well, let's reset.

1192

01:23:46,040 --> 01:23:54,040

Next time, there'll be an extra box to tick on the risk assessment document.

1193

01:23:54,040 --> 01:24:01,040

All our hard planning and careful thought about how to make this absolutely bulletproof worked.

1194

01:24:01,040 --> 01:24:07,040

The launch, the ignition, the trajectory, the ramp was all dead on the money.

1195

01:24:07,040 --> 01:24:13,040

Unfortunately, we had one little detail at the end, which was that the whole damn thing blew up.

1196

01:24:13,040 --> 01:24:15,040

It's the one thing we didn't have control over.

1197

01:24:20,040 --> 01:24:24,040

I will say this, Jamie, that ramp held up a tree.

1198

01:24:27,040 --> 01:24:31,040

So what was the reason for the over-enthusiastic kaboom?

1199

01:24:31,040 --> 01:24:33,040

You have any ideas about what happened?

1200

01:24:33,040 --> 01:24:37,040

I have to talk to the guys that built them, but I'm going to say it over-pressurized and went.

1201

01:24:37,040 --> 01:24:41,040

So we built a big rolling bomb instead of a rocket.

1202

01:24:41,040 --> 01:24:43,040

Do we get our money back?

1203

01:24:44,040 --> 01:24:47,040

I think someone owes me 10,000 bucks.

1204

01:24:48,040 --> 01:24:55,040

Their once-glorious 67 Chevy Impala is now merely a shell of its former self.

1205

01:24:57,040 --> 01:25:01,040

Oh, look. The suspension is still good.

1206

01:25:01,040 --> 01:25:06,040

Hey, Jamie. I left one of my pairs of gloves in the car.

1207

01:25:06,040 --> 01:25:10,040

Well, maybe if you soak them in water a little while, they'll swell back up again. What do you think?

1208

01:25:10,040 --> 01:25:12,040

That used to be that.

1209

01:25:14,040 --> 01:25:17,040

So how do you wrap up such a smoking wreck?

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01:25:17,040 --> 01:25:20,040

I have to say, I don't think we've ever found ourselves in this position,

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01:25:20,040 --> 01:25:24,040

but we were really unable to answer the central questions of this myth,

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01:25:24,040 --> 01:25:27,040

i.e. 1.3 miles or 300 miles per hour.

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01:25:27,040 --> 01:25:34,040

Yeah. I mean, I kind of think it wouldn't have done 1.3 miles, but that's beside the point.

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01:25:35,040 --> 01:25:39,040

We were totally diligent about everything. Absolutely everything worked perfectly.

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01:25:39,040 --> 01:25:41,040

Yeah. The rockets were professionally made. Yeah.

1216

01:25:41,040 --> 01:25:43,040

Buttoned everything down.

1217

01:25:43,040 --> 01:25:47,040

I'd say the best we can call this is appropriately supersized.

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01:25:54,040 --> 01:25:56,040

Okay, everybody, settle down, settle down.

1219

01:25:56,040 --> 01:25:58,040

We're trying to answer today's question,

1220

01:25:58,040 --> 01:26:01,040

What I like best about the MythBuster Super Size episode.

1221

01:26:01,040 --> 01:26:03,040

Does anyone want to start? Jamie.

1222

01:26:03,040 --> 01:26:05,040

Rock car suck when it blew up.

1223

01:26:05,040 --> 01:26:07,040

Okay, Jamie, I know you have some strong feelings about this,

1224

01:26:07,040 --> 01:26:11,040

but we're trying to stay positive. What I like best about the episode. Yes, Karen.

1225

01:26:11,040 --> 01:26:15,040

Not only did we get to blow over a taxi, but also a plane and a bus.

1226

01:26:15,040 --> 01:26:17,040

And it was cool that they let us use their 747s.

1227

01:26:17,040 --> 01:26:20,040

Very good. Jamie, now do you have something positive to say?

1228

01:26:20,040 --> 01:26:22,040

I got attacked by a shark.

1229

01:26:22,040 --> 01:26:25,040

Excellent. All right, class, that's it. See you next summer.

1230

01:26:26,040 --> 01:26:31,040

You bet. Filled up from our supersized feast, it's time to jet.

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01:26:32,040 --> 01:26:34,040

Past the and-assets.

1232

01:26:35,040 --> 01:26:38,040

Wakeboarding behind a cruise ship was so much fun.

1233

01:26:38,040 --> 01:26:41,040

I have to personally thank the fans that sent that one in.

1234

01:26:41,040 --> 01:26:45,040

That was insane. I mean, being behind that cruise ship, I felt like James Bond.

1235

01:26:45,040 --> 01:26:48,040

Hey, they're always on a lookout for new Bond. Maybe you should audition.

1236

01:26:48,040 --> 01:26:50,040

Now that myth was huge.

1237

01:26:50,040 --> 01:26:55,040

If you have any myths for us, big or small, send them in to discovery.com.

1238

01:26:55,040 --> 01:26:59,040

Perfectly Myths on beaches, tropical locations.

1239

01:26:59,040 --> 01:27:01,040

Are there any supermodel myths?

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01:27:01,040 --> 01:27:03,040

Robot myths. No.

1241

01:27:04,040 --> 01:27:06,040

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