

1

00:00:00,000 --> 00:00:02,500

Remember, don't try this at home.

2

00:00:02,500 --> 00:00:05,500

We've got years of experience that keeps us safe.

3

00:00:08,000 --> 00:00:09,500

Yeah, look at that!

4

00:00:09,500 --> 00:00:11,500

On this episode of Mythbusters...

5

00:00:11,500 --> 00:00:13,500

I'm so excited, I just can't stand it!

6

00:00:13,500 --> 00:00:17,000

Jamie and Adam do a little painting and detonating.

7

00:00:17,000 --> 00:00:20,000

You're gonna paint your house with explosives? That's crazy!

8

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

When they ask the question, can you decorate with dynamite?

9

00:00:24,000 --> 00:00:25,500

Fire in the hole!

10

00:00:26,500 --> 00:00:31,500

And the build team go mental when they test mind control techniques.

11

00:00:31,500 --> 00:00:35,500

I'm ready to make him take his prey out.

12

00:00:36,500 --> 00:00:38,500

Who are the Mythbusters?

13

00:00:38,500 --> 00:00:40,500

Adam Savage

14

00:00:42,500 --> 00:00:44,500

and Jamie Heineman.

15

00:00:44,500 --> 00:00:46,500

Aren't Tracer rounds illegal?

16

00:00:47,500 --> 00:00:51,500

Between them over 30 years special effects experience.

17

00:00:51,500 --> 00:00:53,500

That's what I'm talking about!

18

00:00:53,500 --> 00:00:55,500

Joining them, Tori Belachie.

19

00:00:55,500 --> 00:00:57,500

Science is fun.

20

00:00:57,500 --> 00:00:58,500

Carrie Byron.

21

00:00:58,500 --> 00:00:59,500

Guess what I did today?

22

00:00:59,500 --> 00:01:01,500

And Grant Imahara.

23

00:01:01,500 --> 00:01:02,500

You guys ready for this?

24

00:01:02,500 --> 00:01:04,500

They don't just tell the Myths...

25

00:01:05,500 --> 00:01:07,500

They put them to the test.

26

00:01:07,500 --> 00:01:12,500

After extensive research, watching old TV reruns,

27

00:01:12,500 --> 00:01:17,500

Adam and Jamie have lit the fuse on a myth of explosive proportions.

28

00:01:17,500 --> 00:01:19,500

Attempting to take the paint out of painting,

29

00:01:19,500 --> 00:01:23,500

Mr. Bean shows us a home improvement shortcut.

30

00:01:23,500 --> 00:01:27,500

A bucket of paint, the mythical stick of dynamite,

31

00:01:27,500 --> 00:01:29,500

and a bucket of water.

32

00:01:29,500 --> 00:01:31,500

And the myth of explosive proportions.

33

00:01:31,500 --> 00:01:33,500

And the myth of explosive proportions.

34

00:01:33,500 --> 00:01:35,500

And the movement shortcut.

35

00:01:35,500 --> 00:01:38,500

A bucket of paint, the mythical stick of dynamite,

36

00:01:38,500 --> 00:01:41,500

and the perfect paint job.

37

00:01:45,500 --> 00:01:47,500

So that's our task.

38

00:01:47,500 --> 00:01:49,500

This British comedy show, the guy is lazy,

39

00:01:49,500 --> 00:01:51,500

he doesn't want to paint his room,

40

00:01:51,500 --> 00:01:53,500

puts a stick of dynamite in a gallon of paint,

41

00:01:53,500 --> 00:01:56,500

and blows it up, and that's going to paint the whole room.

42

00:01:56,500 --> 00:02:01,500

You know, it's a chance for us to do some creative exploding of things,

43

00:02:01,500 --> 00:02:03,500

and I think we can have a lot of fun with it.

44

00:02:03,500 --> 00:02:05,500

To recreate the myth, they'll need a small room,

45

00:02:05,500 --> 00:02:09,500

a gallon of paint, one unlucky neighbor for the human silhouette,

46

00:02:09,500 --> 00:02:11,500

and a dash of dynamite.

47

00:02:11,500 --> 00:02:13,500

What's the plan?

48

00:02:13,500 --> 00:02:16,500

Well, because it sort of defeats the purpose of this whole thing,

49

00:02:16,500 --> 00:02:19,500

if you blew up the actual house that you were trying to paint

50

00:02:19,500 --> 00:02:22,500

in the process of using explosives to spread the paint.

51

00:02:22,500 --> 00:02:26,500

So I think we should use a real house, like we did in Bug Bomb.

52

00:02:26,500 --> 00:02:28,500

Big Bomb, Big Bomb, Big Bomb!

53

00:02:29,500 --> 00:02:33,500

In Bug Bomb, they used a real house and did some real damage.

54

00:02:36,500 --> 00:02:38,500

But with house prices heating up,

55

00:02:38,500 --> 00:02:40,500

they'll have to build a house of their own.

56

00:02:40,500 --> 00:02:42,500

That's what we're talking about!

57

00:02:43,500 --> 00:02:47,500

To stick to the myth, their property needs just one property.

58

00:02:47,500 --> 00:02:50,500

It has to have the structural integrity of a real home.

59

00:02:50,500 --> 00:02:54,500

One of the first questions that comes up in looking at this myth is,

60

00:02:54,500 --> 00:02:57,500

can a room withstand an explosion?

61

00:02:57,500 --> 00:02:59,500

An explosion big enough to paint that room?

62

00:02:59,500 --> 00:03:01,500

So there'll be no shirking on quality,

63

00:03:01,500 --> 00:03:03,500

because when the paint hits the walls,

64

00:03:03,500 --> 00:03:05,500

they don't want to blow the house down.

65

00:03:05,500 --> 00:03:07,500

Now we're on the construction phase.

66

00:03:07,500 --> 00:03:09,500

We've got to build this house to blow things up in,

67

00:03:09,500 --> 00:03:11,500

and we can't just build the whole thing and take it on a truck.

68

00:03:11,500 --> 00:03:13,500

We've got to build the pieces.

69

00:03:13,500 --> 00:03:17,500

The modular house includes two floor and ceiling sections,

70

00:03:17,500 --> 00:03:18,500

which Jamie tackles.

71

00:03:18,500 --> 00:03:21,500

And Adam assembles the four sheetrock walls.

72

00:03:22,500 --> 00:03:24,500

Note the difference in styles.

73

00:03:27,500 --> 00:03:29,500

This is rockin' this thing!

74

00:03:31,500 --> 00:03:33,500

That is a cool ass.

75

00:03:34,500 --> 00:03:36,500

They're done and on schedule.

76

00:03:37,500 --> 00:03:38,500

This is...

77

00:03:38,500 --> 00:03:41,500

convinced me to hire someone else to do the renovation in my house.

78

00:03:41,500 --> 00:03:45,500

And with the neighbors a little sensitive about dynamite in the backyard,

79

00:03:45,500 --> 00:03:48,500

our team of painters and detonators pack up

80

00:03:48,500 --> 00:03:51,500

and head for the Alameda County Museum.

81

00:03:51,500 --> 00:03:54,500

And we're going to build a house in the back of the house.

82

00:03:54,500 --> 00:03:57,500

And we're going to have the detonators pack up

83

00:03:57,500 --> 00:04:00,500

and head for the Alameda County Bomb Disposal Range.

84

00:04:00,500 --> 00:04:01,500

Hold on.

85

00:04:01,500 --> 00:04:02,500

Don't tell me.

86

00:04:02,500 --> 00:04:04,500

So you checked the height on this, right?

87

00:04:04,500 --> 00:04:06,500

It's a miracle!

88

00:04:06,500 --> 00:04:10,500

The team load up and find that it's not the size of the house you erect,

89

00:04:10,500 --> 00:04:12,500

but whether it fits in the truck.

90

00:04:19,500 --> 00:04:23,500

I understand you guys have a real mind bender of a story here.

91

00:04:23,500 --> 00:04:26,500

Can you tell us a little bit about the classic,

92

00:04:26,500 --> 00:04:29,500

conspiracy-favorite of government mind control?

93

00:04:29,500 --> 00:04:31,500

Well, that could be all sorts of things, couldn't it?

94

00:04:31,500 --> 00:04:33,500

I mean, like hypnosis, for example,

95

00:04:33,500 --> 00:04:37,500

or I know they did some testing where they put electrodes into your brain,

96

00:04:37,500 --> 00:04:40,500

they put a little current through it, they can make you do certain things.

97

00:04:40,500 --> 00:04:42,500

Look into the hypnotic eye!

98

00:04:42,500 --> 00:04:45,500

It's long been a sci-fi favorite.

99

00:04:45,500 --> 00:04:50,500

In the 1950s, mind control was a recurring theme in B-movies,

100

00:04:50,500 --> 00:04:53,500

where people play things of a psychic psycho.

101

00:04:53,500 --> 00:04:55,500

Your brother is glowing stiff.

102

00:04:55,500 --> 00:05:01,500

Today, conspiracy theorists claim governments still use an array of mind control techniques

103

00:05:01,500 --> 00:05:04,500

to have their wicked way with Joe Public.

104

00:05:04,500 --> 00:05:06,500

Yes, it could be many, many things,

105

00:05:06,500 --> 00:05:08,500

but ethically, here on Mythbusters,

106

00:05:08,500 --> 00:05:12,500

we can't go around putting chips in people's heads.

107

00:05:12,500 --> 00:05:14,500

So we're going to start right off from the beginning

108

00:05:14,500 --> 00:05:16,500

and define it very narrowly.

109

00:05:16,500 --> 00:05:19,500

And our definition of mind control is a device

110

00:05:19,500 --> 00:05:25,500

which can remotely influence a person's behavior without their knowledge or their consent.

111

00:05:25,500 --> 00:05:28,500

We're also going to use the criteria that you guys used on free energy.

112

00:05:28,500 --> 00:05:31,500

We're only going to use plans, kits, or patents that we can find on the web.

113

00:05:31,500 --> 00:05:33,500

And there are a lot of them.

114

00:05:33,500 --> 00:05:39,500

Mind control follows the well-trodden Mythbusters path of oogie boogie myths.

115

00:05:39,500 --> 00:05:40,500

Wow!

116

00:05:40,500 --> 00:05:44,500

Adam and Jamie established the genre when they tested and busted

117

00:05:44,500 --> 00:05:51,500

the conspiracy theory that government microchips were being secretly planted in blood donors.

118

00:05:51,500 --> 00:05:52,500

All right, Grant.

119

00:05:52,500 --> 00:05:54,500

So we have three kits that we got off the internet for mind control.

120

00:05:54,500 --> 00:05:56,500

One here is psionic helmet.

121

00:05:56,500 --> 00:05:59,500

We got here an electronic hypnotizer.

122

00:05:59,500 --> 00:06:02,500

And then this is a silent sound mind control device.

123

00:06:02,500 --> 00:06:04,500

Which one do you think you want to do first?

124

00:06:04,500 --> 00:06:07,500

Well, I do the electronic stuff all the time.

125

00:06:07,500 --> 00:06:11,500

So I think I'm most interested in the psionic helmet.

126

00:06:11,500 --> 00:06:14,500

This is the psionic helmet.

127

00:06:14,500 --> 00:06:20,500

And I am not exactly sure what principle it works on,

128

00:06:20,500 --> 00:06:27,500

but if I would have to guess, I think it would be able to enhance my own inherent telepathic ability.

129

00:06:27,500 --> 00:06:33,500

At 290 bucks, the Build It Yourself kit consists of, let's face it, a bicycle helmet,

130

00:06:33,500 --> 00:06:37,500

and a wooden dowel wrapped in lentop with a crystal.

131

00:06:38,500 --> 00:06:41,500

But there's more to it than that.

132

00:06:41,500 --> 00:06:46,500

According to the plans, the psychic powers of the crystal rod require fine tuning,

133

00:06:46,500 --> 00:06:50,500

so Grant wires it up to a couple of control knobs.

134

00:06:50,500 --> 00:06:53,500

And the helmet's ready for action.

135

00:06:53,500 --> 00:06:56,500

Jamie and Adam are coming over here to do a blueprint.

136

00:06:56,500 --> 00:07:02,500

I'm going to see if I can use the helmet to influence Jamie to remove his beret.

137

00:07:02,500 --> 00:07:07,500

The beret one is unaware that he is the subject of a psychic experiment.

138

00:07:07,500 --> 00:07:10,500

Then he spots the hat.

139

00:07:10,500 --> 00:07:12,500

Hi, Jamie.

140

00:07:12,500 --> 00:07:14,500

What you doing?

141

00:07:14,500 --> 00:07:15,500

Nothing.

142

00:07:15,500 --> 00:07:17,500

Did you have a good weekend?

143

00:07:17,500 --> 00:07:22,500

Tori attempts casual conversation while trying to tune in the psionic helmet.

144

00:07:22,500 --> 00:07:26,500

Jamie's baffled, but Tori's feeling the force.

145

00:07:26,500 --> 00:07:30,500

That was perfect, because as we have a conversation, I was able to dial into a psychic energy.

146

00:07:30,500 --> 00:07:32,500

He has no clue.

147

00:07:32,500 --> 00:07:37,500

Now I'm ready to make him take his beret off.

148

00:07:37,500 --> 00:07:42,500

For 90 minutes, Tori summons up all his powers of concentration,

149

00:07:42,500 --> 00:07:46,500

but Jamie's beret stays firmly on his ponce.

150

00:07:46,500 --> 00:07:51,500

My opinion right now is that the psionic helmet is totally busted,

151

00:07:51,500 --> 00:07:53,500

but I'm not going to give up yet.

152

00:07:53,500 --> 00:07:55,500

I'm going to keep trying.

153

00:07:55,500 --> 00:07:58,500

Still to come, Tori is allowed out in public.

154

00:07:58,500 --> 00:08:01,500

Hey, what's happened on that one?

155

00:08:01,500 --> 00:08:05,500

But next, Adam and Jamie prepare to paint the house down.

156

00:08:05,500 --> 00:08:08,500

I'm so excited, I just can't stand it.

157

00:08:13,500 --> 00:08:19,500

Jamie and Adam are taking on Mr. Bean and tackling the explosive TV myth.

158

00:08:19,500 --> 00:08:23,500

Can you really decorate with dynamite?

159

00:08:24,500 --> 00:08:28,500

And for that, they pack up and head out of town.

160

00:08:28,500 --> 00:08:34,500

I'm sitting in a crater at the Alameda County Sheriff's Department Bomb Range,

161

00:08:34,500 --> 00:08:38,500

or as I like to refer to it, happiest little place on earth.

162

00:08:38,500 --> 00:08:41,500

That's me. Good to see you again.

163

00:08:41,500 --> 00:08:46,500

Joining Adam and Jamie for the TNT party are fellow explosive enthusiasts,

164

00:08:46,500 --> 00:08:52,500

Sergeant J.D. Nelson of Alameda County Bomb Squad and retired FBI agent Frank Doyle.

165

00:08:52,500 --> 00:08:56,500

The main thing I'm concerned with about this test is whether or not our room,

166

00:08:56,500 --> 00:09:02,500

which is built to code, building code, whether it's going to hold up to stick a dynamite in the middle,

167

00:09:02,500 --> 00:09:04,500

or is it just going to blow out?

168

00:09:04,500 --> 00:09:08,500

With the quantity of explosives we're going to use,

169

00:09:08,500 --> 00:09:12,500

I would say that the room will probably hold together, but don't hold me to that.

170

00:09:12,500 --> 00:09:13,500

Okay.

171

00:09:13,500 --> 00:09:17,500

Before they put FBI Frank's prediction to the test,

172

00:09:17,500 --> 00:09:21,500

they have to assemble their very own little house on the bomb range.

173

00:09:21,500 --> 00:09:23,500

I'm putting the foundation down.

174

00:09:23,500 --> 00:09:25,500

Cue the build sequence.

175

00:09:25,500 --> 00:09:30,500

And with a little help from the post-production department, they finish in record time.

176

00:09:30,500 --> 00:09:32,500

Remember kids, I've got health insurance.

177

00:09:32,500 --> 00:09:36,500

After Adam comes back to earth, he and Jamie check out their handiwork.

178

00:09:36,500 --> 00:09:38,500

The location could be a problem.

179

00:09:38,500 --> 00:09:41,500

After all, who wants a room with a view of the bomb range?

180

00:09:41,500 --> 00:09:45,500

But with a little interior decorating, it'll be home sweet home.

181

00:09:45,500 --> 00:09:48,500

We built a house in a half a day.

182

00:09:48,500 --> 00:09:53,500

It ain't pretty, but I think maybe it'll dress up with a nice coat of paint.

183

00:09:53,500 --> 00:09:58,500

To match the myth, the explosion has to completely cover the room in paint,

184

00:09:58,500 --> 00:10:00,500

except for the human silhouette.

185

00:10:00,500 --> 00:10:04,500

Jamie couldn't find a real volunteer to stick around while the dynamite detonates,

186

00:10:04,500 --> 00:10:07,500

so he volunteers rescue Randy the Simulade.

187

00:10:07,500 --> 00:10:09,500

I'm going to hang the Simulade.

188

00:10:09,500 --> 00:10:14,500

I'm going to put them about here because we want to get one of these sort of patterns on the wall

189

00:10:14,500 --> 00:10:17,500

from the spray of paint, hopefully.

190

00:10:17,500 --> 00:10:21,500

Adam takes care of the paint placement, but with a slight deviation from the clip.

191

00:10:21,500 --> 00:10:26,500

I took the paint out of its metal can and put it in a plastic bucket because, well,

192

00:10:26,500 --> 00:10:30,500

the Sheriff's Department, the owners of the bomb range, the FBI are all a lot more comfortable

193

00:10:30,500 --> 00:10:35,500

if we don't have metal creating shrapnel and we just use a plastic bucket full of paint.

194

00:10:35,500 --> 00:10:37,500

Makes a lot more sense than that.

195

00:10:37,500 --> 00:10:41,500

Which leaves just one key ingredient, the dynamite.

196

00:10:41,500 --> 00:10:45,500

And arson investigator Joe Kodafal arrives just in time,

197

00:10:45,500 --> 00:10:49,500

but he's not here to arrest Adam and Jamie for their history of explosive exploits.

198

00:10:49,500 --> 00:10:51,500

He's the man with the bang.

199

00:10:51,500 --> 00:10:56,500

We have his plastic container that contains one-third pound of...

200

00:10:56,500 --> 00:10:59,500

And that's about as much as we can tell you.

201

00:10:59,500 --> 00:11:04,500

Of course, even if you should happen to have the ingredients and blasting cap for a binary explosive,

202

00:11:04,500 --> 00:11:06,500

please don't try this at home.

203

00:11:06,500 --> 00:11:10,500

So in the clip we're working from, it looks like he's putting a stick of dynamite

204

00:11:10,500 --> 00:11:12,500

or something equivalent to a stick of dynamite in this bucket of paint.

205

00:11:12,500 --> 00:11:14,500

Is this roughly equivalent to that?

206

00:11:14,500 --> 00:11:19,500

Actually, it's... depending on what type of dynamite there's a whole bunch of dynamites,

207

00:11:19,500 --> 00:11:21,500

but this is pretty hot stuff.

208

00:11:21,500 --> 00:11:25,500

This actually detonates right around 21,000 feet per second.

209

00:11:25,500 --> 00:11:27,500

21,000 feet.

210

00:11:27,500 --> 00:11:29,500

So this is definitely...

211

00:11:29,500 --> 00:11:32,500

That's like more than 10 times as fast as a bullet.

212

00:11:32,500 --> 00:11:33,500

Yes, it would be.

213

00:11:33,500 --> 00:11:34,500

Wow.

214

00:11:35,500 --> 00:11:37,500

There's no turning back.

215

00:11:38,500 --> 00:11:41,500

The bucket of paint is in position.

216

00:11:41,500 --> 00:11:44,500

JD lays out the firing line.

217

00:11:44,500 --> 00:11:48,500

Non-essential personnel are cleared from the area.

218

00:11:48,500 --> 00:11:55,500

The blasting cap is attached to the explosive, which just like the myth, is simply placed in the paint.

219

00:11:55,500 --> 00:11:59,500

And finally, the firing line is attached to the blasting cap.

220

00:11:59,500 --> 00:12:02,500

With the system hot, the anticipation builds.

221

00:12:02,500 --> 00:12:06,500

I'm so excited, I just can't stand it.

222

00:12:06,500 --> 00:12:09,500

There's just one question. Who's the button man?

223

00:12:09,500 --> 00:12:10,500

Heads.

224

00:12:10,500 --> 00:12:12,500

Heads of this.

225

00:12:12,500 --> 00:12:14,500

Give me my quarter of a minute.

226

00:12:14,500 --> 00:12:19,500

With Adam's finger twitching, JD clears the area and...

227

00:12:19,500 --> 00:12:23,500

Fire in the hole! Fire in the hole!

228

00:12:23,500 --> 00:12:25,500

Everyone gets serious.

229

00:12:25,500 --> 00:12:27,500

What does this do?

230

00:12:27,500 --> 00:12:29,500

Well, almost everyone.

231

00:12:32,500 --> 00:12:35,500

It's go time. Painting with explosives.

232

00:12:35,500 --> 00:12:40,500

In five, four, three, two, one.

233

00:12:44,500 --> 00:12:48,500

Tori has been trying to get his head around taking Jamie's hat off.

234

00:12:48,500 --> 00:12:49,500

Point with your knobs.

235

00:12:49,500 --> 00:12:51,500

But the beret remains firmly in place.

236

00:12:51,500 --> 00:12:57,500

Meanwhile, Grant has been busy assembling the two other mind-altering devices he found on the internet.

237

00:12:57,500 --> 00:12:59,500

First, the electronic hypnotizer.

238

00:12:59,500 --> 00:13:06,500

Believe it or not, its flashing light and pulsing tone can supposedly send people into an hypnotic trance.

239

00:13:06,500 --> 00:13:13,500

The tones go from very fast and very high pitch to very slow and droney.

240

00:13:13,500 --> 00:13:15,500

Mostly they're just really annoying.

241

00:13:17,500 --> 00:13:21,500

Next, Grant tackles every conspiracy theorist's favorite.

242

00:13:21,500 --> 00:13:23,500

Subliminal sound.

243

00:13:23,500 --> 00:13:25,500

This device works on audio.

244

00:13:25,500 --> 00:13:31,500

It takes your voice commands and embeds them in some kind of music or other program material.

245

00:13:31,500 --> 00:13:32,500

Audio program material.

246

00:13:32,500 --> 00:13:33,500

Subliminal messaging.

247

00:13:33,500 --> 00:13:34,500

That's...

248

00:13:34,500 --> 00:13:35,500

Exactly.

249

00:13:35,500 --> 00:13:36,500

That's cool.

250

00:13:36,500 --> 00:13:38,500

From the subliminal back to the ridiculous.

251

00:13:38,500 --> 00:13:43,500

Tori takes to the road to try out the psionic helmet on the American people.

252

00:13:44,500 --> 00:13:48,500

We are on a serious mission to test the mind control device.

253

00:13:48,500 --> 00:13:50,500

So we're going to take it out into the public.

254

00:13:50,500 --> 00:13:53,500

We're going to go to one of our favorite coffee shops.

255

00:13:53,500 --> 00:13:54,500

We're going to test it there.

256

00:13:56,500 --> 00:13:57,500

See if it works.

257

00:13:57,500 --> 00:14:02,500

Tori's psychic master plan is to place an order without moving his lips.

258

00:14:02,500 --> 00:14:03,500

He's also with drinks.

259

00:14:05,500 --> 00:14:06,500

With some lunch.

260

00:14:09,500 --> 00:14:11,500

General manager Rachel Lobb plays along.

261

00:14:11,500 --> 00:14:15,500

Suspecting this guy in the helmet may have escaped from an institution.

262

00:14:15,500 --> 00:14:16,500

Double espresso.

263

00:14:16,500 --> 00:14:17,500

Crippuccino.

264

00:14:18,500 --> 00:14:19,500

Juice, please.

265

00:14:20,500 --> 00:14:21,500

Coffee.

266

00:14:21,500 --> 00:14:23,500

She runs through every beverage on the menu.

267

00:14:23,500 --> 00:14:26,500

Except the one that Tori is trying to project.

268

00:14:26,500 --> 00:14:27,500

Spresso.

269

00:14:27,500 --> 00:14:28,500

Half-sour chitsu.

270

00:14:28,500 --> 00:14:29,500

This is so good.

271

00:14:29,500 --> 00:14:30,500

This is so good.

272

00:14:30,500 --> 00:14:31,500

This is so good.

273

00:14:31,500 --> 00:14:32,500

Alright, give me a mocha.

274

00:14:32,500 --> 00:14:33,500

Mocha.

275

00:14:33,500 --> 00:14:34,500

One single.

276

00:14:34,500 --> 00:14:35,500

Thanks.

277

00:14:35,500 --> 00:14:36,500

Make it two.

278

00:14:37,500 --> 00:14:38,500

Alright.

279

00:14:39,500 --> 00:14:43,500

So you didn't get the message of mocha.

280

00:14:43,500 --> 00:14:44,500

No.

281

00:14:44,500 --> 00:14:45,500

We did.

282

00:14:45,500 --> 00:14:46,500

We did.

283

00:14:46,500 --> 00:14:47,500

They did.

284

00:14:47,500 --> 00:14:48,500

We got it.

285

00:14:48,500 --> 00:14:49,500

We got it.

286

00:14:49,500 --> 00:14:50,500

I want some mocha.

287

00:14:50,500 --> 00:14:52,500

I think she can figure it out.

288

00:14:52,500 --> 00:14:54,500

Are you sure you didn't have it pointed the right way?

289

00:14:54,500 --> 00:14:55,500

Yeah.

290

00:14:55,500 --> 00:14:57,500

You must have it on backwards, right?

291

00:14:57,500 --> 00:14:58,500

That's what happened.

292

00:14:58,500 --> 00:14:59,500

Tori's fooling no one.

293

00:14:59,500 --> 00:15:04,500

If they want to test mind control properly, they're going to have to quit the clowning around.

294

00:15:04,500 --> 00:15:05,500

See you guys.

295

00:15:05,500 --> 00:15:12,500

Coming up on their quest for mental manipulation, Grant excites his half-herd sensory resonance.

296

00:15:12,500 --> 00:15:16,500

I should be feeling tension or sexual arousal.

297

00:15:16,500 --> 00:15:21,500

And is the Mr. Bean myth decorating with dynamite all busted up?

298

00:15:21,500 --> 00:15:23,500

Kind of hard on the room.

299

00:15:28,500 --> 00:15:34,500

Back at the Alameda Bomb Range, Adam and Jamie are about to test an explosive home improvement myth.

300

00:15:34,500 --> 00:15:41,500

My money's on that this is going to cover roughly 30 to 40% of the room with yellow paint.

301

00:15:41,500 --> 00:15:43,500

It's DIY myth buster style.

302

00:15:43,500 --> 00:15:47,500

Not so much do it yourself, more detonate it yourself.

303

00:15:47,500 --> 00:15:52,500

It all comes down to that moment when you hit the switch and then either works or it doesn't.

304

00:15:52,500 --> 00:15:55,500

If it doesn't work, there's always take two.

305

00:15:55,500 --> 00:16:00,500

If it does work, you'll get the I can't believe I do this for a living laugh.

306

00:16:00,500 --> 00:16:05,500

Three, two, one.

307

00:16:05,500 --> 00:16:07,500

There's the explosion.

308

00:16:08,500 --> 00:16:10,500

And there's the laugh.

309

00:16:12,500 --> 00:16:15,500

I don't think I'd want to be in that room.

310

00:16:16,500 --> 00:16:18,500

I think it got a little larger.

311

00:16:18,500 --> 00:16:26,500

It may have got larger, but what about the paint job, the state of the room after the blast and was there of a simulated silhouette?

312

00:16:34,500 --> 00:16:36,500

It was kind of hard on the room.

313

00:16:37,500 --> 00:16:39,500

That's hilarious.

314

00:16:39,500 --> 00:16:45,500

Well, I think we set everything up just right and when we set off the explosives, the first thing it did was destroy this room.

315

00:16:45,500 --> 00:16:48,500

The second thing is it only covered about 40%.

316

00:16:48,500 --> 00:16:52,500

I mean, both of those bust this thing wide open.

317

00:16:52,500 --> 00:16:56,500

It's not possible with something equivalent to a stick of dynamite to paint a room.

318

00:16:58,500 --> 00:17:00,500

There's your table.

319

00:17:00,500 --> 00:17:02,500

But what about the human silhouette?

320

00:17:02,500 --> 00:17:04,500

There's no outline to speak of.

321

00:17:04,500 --> 00:17:11,500

And more importantly, if you were in this room, I would say you would go from something like a Chuck roast to a filet mignon.

322

00:17:11,500 --> 00:17:13,500

In other words, you'd be very tenderized.

323

00:17:13,500 --> 00:17:15,500

Myth busted.

324

00:17:15,500 --> 00:17:17,500

Yeah, shockingly.

325

00:17:17,500 --> 00:17:20,500

What we saw on television is not replicable in reality.

326

00:17:20,500 --> 00:17:28,500

Having said that, I think there are ways that we can replicate the results of the myth and still keep to the spirit of it.

327

00:17:29,500 --> 00:17:32,500

So Mr. Bean and his bucket bomb are busted.

328

00:17:32,500 --> 00:17:37,500

But back at the workshop, these painter and detonators aren't giving up yet.

329

00:17:37,500 --> 00:17:43,500

They think with a little myth buster ingenuity, they can dream up a design to get that perfect paint job.

330

00:17:43,500 --> 00:17:47,500

I'm thinking about small scale experiments to try and ferret out the best technique.

331

00:17:47,500 --> 00:17:56,500

Yeah, I think we definitely need to go small scale and personally, I don't really have an idea of what I want to do, but working incrementally through it, I think is the answer.

332

00:17:56,500 --> 00:17:59,500

Yeah, so it's time for some creative conflagration.

333

00:17:59,500 --> 00:18:06,500

To learn more about how paint is distributed by explosion, they'll need to set up for small scale bench tests.

334

00:18:06,500 --> 00:18:08,500

Let's come back when they're ready.

335

00:18:12,500 --> 00:18:18,500

In the myth of mind control, Brant and Tori have been putting a so-called psionic helmet through its paces.

336

00:18:18,500 --> 00:18:22,500

In theory, it works by enhancing the wearer's own psychic ability.

337

00:18:22,500 --> 00:18:28,500

But in practice, it's done zip. It's time to inject a little more science into the proceeding.

338

00:18:28,500 --> 00:18:39,500

I think what we need to do is build some kind of a chamber that isolates the subject, gets rid of all the distracting variables, so that way we can kind of see if there is any influence that these mind control devices are having.

339

00:18:39,500 --> 00:18:43,500

Also, I mean, they all claim to affect the brain waves in some way.

340

00:18:43,500 --> 00:18:49,500

So I would really like to get an EEG in here and hook it up because that is how they measure brain waves in medicine.

341

00:18:49,500 --> 00:18:54,500

EEG machines monitor the working of the human brain in real time.

342

00:18:54,500 --> 00:19:02,500

A network of electrodes detects minute changes in electromagnetic energy, released when neurons in the brain fire.

343

00:19:02,500 --> 00:19:06,500

So using one to measure mind control is a bit of a brain wave.

344

00:19:06,500 --> 00:19:15,500

This is perfect because if we could see that these mind control devices affects any bit of the brain wave, that there might be some validity to this mind control stuff.

345

00:19:15,500 --> 00:19:26,500

So they get to work building an isolation chamber in which they'll test out various devices on an unsuspecting subject who will be wired up to an EEG machine.

346

00:19:26,500 --> 00:19:32,500

As well as creating a test arena, they're also on the hunt for more mind control products.

347

00:19:32,500 --> 00:19:39,500

They will test out Carrie's hypnotizer. Grant has been trawling through a pile of plans from the patent office.

348

00:19:39,500 --> 00:19:52,500

Well, we started with the patent search because these 94 patents constitute evidence that conspiracy theorists use to say that the government is in fact conducting mind control experiments.

349

00:19:52,500 --> 00:19:56,500

Alright, Grant, so you had all day and all night. Did you narrow it down?

350

00:19:56,500 --> 00:20:03,500

Yeah, I've chosen two. One has to do with pulsed air and the other has to do with a rotating bar magnet.

351

00:20:03,500 --> 00:20:08,500

And both of them excite the 1.5 hertz sensory resonance.

352

00:20:09,500 --> 00:20:26,500

Machines that pulse a weak electromagnetic field once every two seconds can supposedly excite the brain's half-hertz sensory resonance, leading to feelings of tension, sleepiness, or even sexual excitation.

353

00:20:26,500 --> 00:20:29,500

So out of all 94, these are the two that you think are the best for us to try?

354

00:20:29,500 --> 00:20:37,500

Yes. These were the two easiest things to build and they sounded like they had the highest chance of success.

355

00:20:38,500 --> 00:20:52,500

Grant swings into action on the rotating magnet device. Apparently, this spinning magnet is ideal to stimulate that half-hertz sensory resonance, as long as you get the speed spot on.

356

00:20:52,500 --> 00:21:03,500

In fact, it's got to go really slow. Half-hertz, which means one revolution every two seconds. That's about right.

357

00:21:03,500 --> 00:21:07,500

Meanwhile, Tari is struggling with the concept of the pulsed air machine.

358

00:21:07,500 --> 00:21:24,500

I'm building a subliminal acoustic simulator. No, generator, manipulator, nervous system, manipulator. I'm manipulating the nervous system and what I'm trying to do is manipulate that frequency by changing the atmospheric pressure.

359

00:21:24,500 --> 00:21:32,500

Tari might not be able to say subliminal atmospheric acoustic pulses, but he can rig up a fan to make them.

360

00:21:32,500 --> 00:21:39,500

Alright, so I've installed my wind interrupter and I'm about to attach the fan. If you want to take a look here, I'll show you how it works.

361

00:21:39,500 --> 00:21:43,500

Each time this disc rotates, it'll break the airstream.

362

00:21:43,500 --> 00:21:52,500

The fan blows air exactly once every two seconds. The magic half-hertz cycle that causes sensory resonance in the subject.

363

00:21:52,500 --> 00:21:55,500

But unfortunately, the rig sucks. Literally.

364

00:21:55,500 --> 00:22:04,500

Oh, man, the fan worked. Sucking out instead of blowing in.

365

00:22:04,500 --> 00:22:13,500

Tari flicks. The fan, that is. And at last, everything's in place for the great Mind Control marathon.

366

00:22:13,500 --> 00:22:19,500

Next on MythBusters, the build team tests the EEG machine and look into Carrie's mind.

367

00:22:19,500 --> 00:22:21,500

That's cool. That works.

368

00:22:21,500 --> 00:22:28,500

And then, attempting to prove you can paint with explosives, Adam and Jamie make a mess.

369

00:22:28,500 --> 00:22:30,500

That was a little more energetic.

370

00:22:33,500 --> 00:22:35,500

We're about to see it home.

371

00:22:41,500 --> 00:22:45,500

Adam and Jamie know all about the Big Bang Theory.

372

00:22:45,500 --> 00:22:49,500

For gratuitous use of T&G, look no further.

373

00:22:51,500 --> 00:22:53,500

Well, there's your problem.

374

00:22:54,500 --> 00:23:03,500

But today, it's all about subtlety. With a small-scale mock-up, they're using their explosive nouse to paint a one-room house.

375

00:23:03,500 --> 00:23:09,500

This blast chamber will contain the explosions, and the white walls will illustrate the paint coverage.

376

00:23:09,500 --> 00:23:11,500

That's beautiful.

377

00:23:11,500 --> 00:23:19,500

With standard 5-gram packets of black powder and a set volume of paint, the determining factor will be the delivery device.

378

00:23:19,500 --> 00:23:24,500

Their first test is a control using a replica of Mr. Bean's Bucket Bomb.

379

00:23:24,500 --> 00:23:29,500

A repeat of yesterday's results, and they know their scale setup is accurate.

380

00:23:29,500 --> 00:23:34,500

In three, two, just as likely nothing's going to happen, but here we go.

381

00:23:34,500 --> 00:23:35,500

One.

382

00:23:39,500 --> 00:23:40,500

That was fabulous.

383

00:23:42,500 --> 00:23:43,500

Well?

384

00:23:43,500 --> 00:23:44,500

All right.

385

00:23:44,500 --> 00:23:49,500

I didn't get to see this. That's great.

386

00:23:49,500 --> 00:23:55,500

Yep, with 40% of the rooms splattered unevenly, they've made the same mess as yesterday.

387

00:23:55,500 --> 00:23:59,500

Here's what I'd like to do. I think you've got a couple of ideas, and I've got a couple of ideas.

388

00:23:59,500 --> 00:24:03,500

I'd like to make using the 5 grams of powder, I'm going to try something.

389

00:24:03,500 --> 00:24:04,500

Okay.

390

00:24:04,500 --> 00:24:11,500

And when you try something, and we'll run a couple more tests, we can easily fit it in before the end of the day, and see if we can't get better coverage.

391

00:24:11,500 --> 00:24:12,500

Okay.

392

00:24:12,500 --> 00:24:18,500

So Adam and Jamie are two devotees of detonation face off for a blast off.

393

00:24:18,500 --> 00:24:25,500

Adam's approach utilizes tubes of paint with a straw packed with black powder suspended in the middle.

394

00:24:25,500 --> 00:24:28,500

In three, two, one.

395

00:24:31,500 --> 00:24:32,500

That was a little more energetic.

396

00:24:32,500 --> 00:24:33,500

That was.

397

00:24:34,500 --> 00:24:36,500

Well, I definitely got the middle of the room.

398

00:24:37,500 --> 00:24:38,500

Yeah, take a look at that.

399

00:24:38,500 --> 00:24:49,500

It's almost like just looking at this band where my charge was that in order to use this method to paint the whole room, you'd need a column of paint and explosives the height of the exact room.

400

00:24:49,500 --> 00:24:51,500

Jamie's idea is based on the mortar.

401

00:24:51,500 --> 00:24:54,500

A metal vessel will hold and direct the paint.

402

00:24:54,500 --> 00:24:58,500

An explosive charge beneath the paint will provide the spray.

403

00:24:59,500 --> 00:25:00,500

Here we go.

404

00:25:00,500 --> 00:25:03,500

In three, two, one.

405

00:25:03,500 --> 00:25:08,500

Well, that worked just like you said it would.

406

00:25:08,500 --> 00:25:14,500

Well, not perfectly even, but that's the most even spray that we got.

407

00:25:14,500 --> 00:25:21,500

So it's clear that making something very directional like a cannon is somewhat effective.

408

00:25:21,500 --> 00:25:23,500

It's time to scale up.

409

00:25:23,500 --> 00:25:27,500

Adam has some good information for his tube of paint idea.

410

00:25:27,500 --> 00:25:34,500

And Jamie's berate brain is bubbling away with grand designs involving clusters of pyramid shaped mortars.

411

00:25:38,500 --> 00:25:44,500

Our mind control masterminds have turned M5 into a psychic observation center.

412

00:25:44,500 --> 00:25:53,500

They've built an isolation chamber and several mind control devices which they're about to test with the help of an EEG machine.

413

00:25:54,500 --> 00:25:56,500

Behind me here we have mission control.

414

00:25:56,500 --> 00:26:02,500

We have our audio and visual feed so we can see exactly what's going on with our subject inside the isolation chamber.

415

00:26:02,500 --> 00:26:10,500

We also have a monitor which is going to show us their brain waves and we can see if there's any sort of odd activity when we're doing our tests.

416

00:26:10,500 --> 00:26:18,500

Everything is set, but before they try the mind control devices, Carrie volunteers to make sure the EEG machine works.

417

00:26:18,500 --> 00:26:20,500

But she could be in for a shock.

418

00:26:20,500 --> 00:26:23,500

Hand me a bobby pin, I'll tie this in a knot.

419

00:26:23,500 --> 00:26:30,500

Stylist Grant Imahara has come up with a new look which involves electrodes and conductive paste.

420

00:26:35,500 --> 00:26:37,500

You're doing great, Carrie. You're really...

421

00:26:37,500 --> 00:26:39,500

You sound like the dentist.

422

00:26:39,500 --> 00:26:40,500

Yeah, you're doing great.

423

00:26:40,500 --> 00:26:43,500

Whatever they're putting you through something painful.

424

00:26:43,500 --> 00:26:45,500

Okay, so now we're going to do your ear.

425

00:26:45,500 --> 00:26:47,500

It's going to be weird. Ready?

426

00:26:47,500 --> 00:26:49,500

You just chill out here.

427

00:26:49,500 --> 00:26:53,500

Try and relax. I'll let you know it's done.

428

00:26:53,500 --> 00:26:54,500

Okay.

429

00:26:54,500 --> 00:26:58,500

As she settles, her neural activity decreases and stabilizes.

430

00:26:58,500 --> 00:27:04,500

But with the baseline established, Tari and Grant can't resist playing mind games with Carrie.

431

00:27:04,500 --> 00:27:07,500

We can see what's going on in her brain.

432

00:27:07,500 --> 00:27:09,500

Yeah, yeah, hang on.

433

00:27:09,500 --> 00:27:12,500

Okay, ready? Go ahead.

434

00:27:12,500 --> 00:27:15,500

Good, it's cool.

435

00:27:15,500 --> 00:27:16,500

That works.

436

00:27:16,500 --> 00:27:19,500

Grant's seen enough and what he's seen, he likes.

437

00:27:19,500 --> 00:27:26,500

We did see a huge spike in the response when Tori kicked the door.

438

00:27:26,500 --> 00:27:30,500

So that indicates that the system is working.

439

00:27:30,500 --> 00:27:32,500

I'm glad we know how to use it now.

440

00:27:32,500 --> 00:27:34,500

So it's all go for mind control.

441

00:27:34,500 --> 00:27:40,500

They have a working EEG machine that will quantify any changes in the subject's brainwave activity.

442

00:27:40,500 --> 00:27:48,500

An important consideration because the five devices may be having an effect without any visible outward signs.

443

00:27:48,500 --> 00:27:51,500

It's time to get down to business.

444

00:27:51,500 --> 00:27:56,500

He's the only one in M5 still in the dark about the mind control experiments.

445

00:27:56,500 --> 00:27:58,500

So he qualifies for the job.

446

00:27:58,500 --> 00:28:03,500

How do you feel about high voltage shocks on myself or others?

447

00:28:03,500 --> 00:28:04,500

That's the right answer.

448

00:28:04,500 --> 00:28:08,500

John might actually make mind control material.

449

00:28:08,500 --> 00:28:10,500

After the break, John gets buzzed.

450

00:28:10,500 --> 00:28:12,500

Do you have the bees ready?

451

00:28:12,500 --> 00:28:16,500

And Jamie and Adam complete their paint bomb prototypes.

452

00:28:16,500 --> 00:28:26,500

And the world is my oyster to paint.

453

00:28:26,500 --> 00:28:36,500

After carefully replicating Mr. Bean's painting with dynamite myth, Adam and Jamie have blown it away.

454

00:28:36,500 --> 00:28:38,500

Right off the bat, Jamie. I think this one's busted.

455

00:28:38,500 --> 00:28:42,500

But this explosive tail is not over yet.

456

00:28:42,500 --> 00:28:45,500

The guys believe they have the designs to make it work.

457

00:28:45,500 --> 00:28:49,500

Jamie is working on a cluster of five pyramid shaped paint mortars.

458

00:28:49,500 --> 00:28:52,500

One for each wall and the ceiling.

459

00:28:52,500 --> 00:28:56,500

Meanwhile, Adam has built a pool raft for a short thin person.

460

00:28:56,500 --> 00:28:58,500

I'll tell you right off the bat, I'm really liking that.

461

00:28:58,500 --> 00:29:05,500

See what I'm thinking of is I use a thin strand of debt cord, which is detonation cord or primal cord.

462

00:29:05,500 --> 00:29:07,500

It's basically like an explosive rope.

463

00:29:07,500 --> 00:29:15,500

It's an extremely high speed detonation, which should vaporize the paint much more efficiently than black powder.

464

00:29:15,500 --> 00:29:24,500

So what I do is I wrap several, like a gallon's worth of tubes of paint around a central core of debt cord.

465

00:29:24,500 --> 00:29:27,500

And the world is my oyster to paint.

466

00:29:27,500 --> 00:29:30,500

Back with Jamie and his careful design work has paid off.

467

00:29:30,500 --> 00:29:37,500

Each set of four triangles goes to make what is known in the industry as a pot in the pyrotechnics industry.

468

00:29:37,500 --> 00:29:44,500

And the pot will have a charge at the bottom of it and a blob or a bag of paint in front of it.

469

00:29:44,500 --> 00:29:54,500

And these things are fairly precisely calculated to aim that paint when the explosives goes off out onto a wall.

470

00:29:54,500 --> 00:29:57,500

That are welded together quite nicely.

471

00:29:58,500 --> 00:30:03,500

After hours slaving over a hot welder, Jamie has the finished product.

472

00:30:03,500 --> 00:30:07,500

A carefully crafted five-way paint mortar.

473

00:30:08,500 --> 00:30:11,500

Well, should be fun.

474

00:30:12,500 --> 00:30:14,500

Well, I guess it's time to get back out there.

475

00:30:14,500 --> 00:30:16,500

Both of our devices are ready.

476

00:30:16,500 --> 00:30:19,500

All we got to do is do a little bit of rebuilding on that house.

477

00:30:19,500 --> 00:30:24,500

Yeah, I've got my device, which is going to paint each individual wall a separate color.

478

00:30:24,500 --> 00:30:28,500

Yeah, because of that, I'm worried that you're actually going to blow out some of the walls with this.

479

00:30:28,500 --> 00:30:30,500

So I'm going to go mine first.

480

00:30:30,500 --> 00:30:33,500

The paint tubes, I think, should be the first test.

481

00:30:33,500 --> 00:30:35,500

Well, we got a lot of work to do. Let's get at it.

482

00:30:35,500 --> 00:30:36,500

All right, cool.

483

00:30:36,500 --> 00:30:41,500

So it's back to Alameda County Bomb Disposal Range to meet Frank.

484

00:30:41,500 --> 00:30:48,500

Glad to have left the building roughly standing where the house that Adam and Jamie built needs to be rebuilt.

485

00:30:48,500 --> 00:30:50,500

This is without a doubt returning to the scene of the crime.

486

00:30:50,500 --> 00:30:57,500

I've got to somehow make this building salvageable and reusable within the next 90 minutes.

487

00:30:57,500 --> 00:30:59,500

Whoa, whoa, whoa.

488

00:31:01,500 --> 00:31:02,500

I'm not used to the terrain.

489

00:31:02,500 --> 00:31:08,500

He may look like a newborn giraffe, but with screw-gun in hand, Adam is on sounder footing.

490

00:31:09,500 --> 00:31:11,500

Could I have another string of nails?

491

00:31:11,500 --> 00:31:13,500

And I need another sheet of drywall.

492

00:31:13,500 --> 00:31:18,500

Managing just fine without stilts, Jamie has fixed up the roof.

493

00:31:18,500 --> 00:31:21,500

And using the forklift, he slides it into place.

494

00:31:26,500 --> 00:31:28,500

Oh, that is good stuff.

495

00:31:28,500 --> 00:31:32,500

The room is ready. Rescue Randy is ready.

496

00:31:32,500 --> 00:31:34,500

And Adam steps up to the plate.

497

00:31:34,500 --> 00:31:41,500

This is my super simple solution for attempting to meet all the criteria that we see in the Mr. Bean episode, i.e.

498

00:31:41,500 --> 00:31:46,500

a perfectly evenly coated room, a perfect outline of a person who was in that room,

499

00:31:46,500 --> 00:31:48,500

and a room that's still standing.

500

00:31:48,500 --> 00:31:58,500

This is tubes of, I think this is four or six mil polyethylene, heat sealed into long tubes filled with paint.

501

00:31:58,500 --> 00:32:01,500

There's a half gallon up here, half gallon down here.

502

00:32:01,500 --> 00:32:02,500

They're thinned down with water.

503

00:32:02,500 --> 00:32:09,500

And running up the center of them, this orange stuff, is, I think it's a 50 grain debt cord, debt nation cord.

504

00:32:09,500 --> 00:32:11,500

Adam's bag of paint is in position.

505

00:32:11,500 --> 00:32:17,500

And after the bomb techs prepare the detonation cord for the blasting cap, we're ready to blow.

506

00:32:17,500 --> 00:32:22,500

Fire in the hole! Fire in the hole! Fire in the hole!

507

00:32:22,500 --> 00:32:28,500

As the team hunker down in the bunker, there's time for an expert prediction from Jamie.

508

00:32:28,500 --> 00:32:31,500

What the f*** do I know what kind of coverage is it going to do?

509

00:32:31,500 --> 00:32:36,500

There's going to be some paint that will get on the wall, and it's not going to be that even.

510

00:32:36,500 --> 00:32:42,500

Painting with explosives in five, four, three, two, one.

511

00:32:42,500 --> 00:32:43,500

Help!

512

00:32:47,500 --> 00:32:53,500

Back in the realm of mental manipulation, and John the researcher is the lucky lab rat.

513

00:32:53,500 --> 00:32:59,500

The build team are attempting to bend his brain waves from outside the isolation chamber.

514

00:32:59,500 --> 00:33:05,500

They have four mind control devices to try, but first they establish his EEG baseline.

515

00:33:05,500 --> 00:33:10,500

Five minutes without stimuli, and John's baseline is looking steady.

516

00:33:10,500 --> 00:33:14,500

Time to fire up the first mind-molding machine.

517

00:33:14,500 --> 00:33:15,500

The interrupter is...

518

00:33:15,500 --> 00:33:23,500

They run the pulsed air experiment for ten minutes, keeping one eye on John's behavior, and the other on his brain wave patterns.

519

00:33:23,500 --> 00:33:28,500

These atmospheric pulses are supposed to excite John's half-hertz sensory resonance.

520

00:33:28,500 --> 00:33:36,500

The effects can range from sleepiness to sexual excitation to Grandentory's untrained eye, John appears unaffected.

521

00:33:36,500 --> 00:33:39,500

He hasn't fallen asleep and doesn't look excited.

522

00:33:39,500 --> 00:33:47,500

But for confirmation his brain waves haven't been affected, we'll have to wait for the EEG results to come back from the experts.

523

00:33:47,500 --> 00:33:48,500

Okay, I feel good.

524

00:33:48,500 --> 00:33:49,500

Good.

525

00:33:49,500 --> 00:33:51,500

Do you have the bees ready?

526

00:33:51,500 --> 00:33:53,500

It's time for the rotating magnet.

527

00:33:53,500 --> 00:33:58,500

Just like the pulsed air machine, it's supposed to excite the half-hertz sensory resonance.

528

00:33:58,500 --> 00:34:05,500

So, Tari and Grant are once again looking for changes in either John's brain wave activity or his behavior.

529

00:34:05,500 --> 00:34:08,500

But once again, John looks unmoved.

530

00:34:08,500 --> 00:34:14,500

Two tests down, and the only sign of a result are Tari's delusions of power.

531

00:34:14,500 --> 00:34:16,500

Don't change the channel.

532

00:34:16,500 --> 00:34:19,500

Next, Tari gets a subliminal boost to his bank balance.

533

00:34:19,500 --> 00:34:21,500

Give Tari your money.

534

00:34:21,500 --> 00:34:26,500

And Jamie and Adam finally light the fuse on their home improvement myth.

535

00:34:26,500 --> 00:34:28,500

You gonna paint your house with explosives?

536

00:34:28,500 --> 00:34:30,500

That's crazy!

537

00:34:35,500 --> 00:34:42,500

Back at the psychic circus, Grant and Tari have subjected John to the rotating magnet and pulsed air.

538

00:34:42,500 --> 00:34:45,500

Next up is the subliminal sound device.

539

00:34:45,500 --> 00:34:53,500

This device apparently works by sending out a secretly encrypted audio message that can only be heard by the unconscious mind.

540

00:34:53,500 --> 00:34:54,500

Go.

541

00:34:54,500 --> 00:34:58,500

Touch nose, touch nose, touch nose.

542

00:34:58,500 --> 00:35:03,500

Eight minutes in, and it's Tari, not John, who starts to crack.

543

00:35:03,500 --> 00:35:05,500

Touch your nose, you little punk.

544

00:35:05,500 --> 00:35:07,500

I swear to God, you better touch your nose.

545

00:35:07,500 --> 00:35:11,500

Touch nose, touch nose, touch nose.

546

00:35:11,500 --> 00:35:13,500

Don't make me come in there, touch your nose.

547

00:35:13,500 --> 00:35:17,500

The device remains untouched, and it's time for the final test.

548

00:35:17,500 --> 00:35:19,500

Next is Tari's electronic hypnosis.

549

00:35:19,500 --> 00:35:27,500

This flashing light and tone apparently combine to induce an hypnotic state, which we'll be able to see on the EEG.

550

00:35:27,500 --> 00:35:33,500

The thing we're gonna do is make the pitch a little bit lower now, because right now it's kind of annoying and fast.

551

00:35:35,500 --> 00:35:37,500

There's a jump in his brainwave.

552

00:35:37,500 --> 00:35:43,500

This time, John's brainwaves are clearly affected, and distracted by the pulsing tone themselves,

553

00:35:43,500 --> 00:35:49,500

Tari and Grant miss what could be the most significant result of the experiment so far.

554

00:35:49,500 --> 00:35:51,500

John touches his nose.

555

00:35:51,500 --> 00:35:54,500

Was it a delayed reaction to the subliminal sounds?

556

00:35:54,500 --> 00:35:56,500

Or just an itch?

557

00:35:56,500 --> 00:36:00,500

The jury assembles, and it's time for the results.

558

00:36:00,500 --> 00:36:04,500

I gotta tell you, I really thought this was gonna be a pyramid power waste of your time,

559

00:36:04,500 --> 00:36:09,500

but it sounds like you might have gotten some real results on this mind control thing.

560

00:36:09,500 --> 00:36:11,500

The first one up is a psionic helmet.

561

00:36:11,500 --> 00:36:12,500

Psionic helmet?

562

00:36:12,500 --> 00:36:14,500

Totally works.

563

00:36:14,500 --> 00:36:15,500

No.

564

00:36:15,500 --> 00:36:17,500

No, I'm just kidding.

565

00:36:17,500 --> 00:36:23,500

No, it's, until you can prove ESP, you're not gonna be able to test this one, so we're calling this one busted.

566

00:36:23,500 --> 00:36:29,500

Not surprisingly, a crystal mounted on a bicycle helmet does not give the wearer a third eye.

567

00:36:29,500 --> 00:36:30,500

Okay, pulsed air.

568

00:36:30,500 --> 00:36:36,500

The pulsed air, it didn't show any effects on the brainwaves, and there's no real scientific evidence that proves that it works.

569

00:36:36,500 --> 00:36:38,500

So, so far, it's a waste of time.

570

00:36:38,500 --> 00:36:44,500

The results from the EEG experts showed the rotating magnet may have had an effect on John's brainwaves.

571

00:36:44,500 --> 00:36:46,500

Rotating magnets.

572

00:36:46,500 --> 00:36:52,500

The rotating magnet actually did have an effect on John's brainwaves while it was spinning.

573

00:36:52,500 --> 00:36:57,500

However, there's a slight possibility that it was affecting the EEG itself.

574

00:36:57,500 --> 00:37:03,500

There is scientific evidence to say that direct electrical stimuli can influence behavior.

575

00:37:03,500 --> 00:37:05,500

So we're gonna call this one plausible.

576

00:37:05,500 --> 00:37:10,500

So with the score at two busted and one plausible, what were the results for silent sound?

577

00:37:10,500 --> 00:37:16,500

Although John did eventually touch his nose, it was during the final test with the hypnotizer.

578

00:37:16,500 --> 00:37:25,500

Plus, the expert analysis of the EEG readings came back negative, proving silent sound is busted, and it really was just an itch.

579

00:37:25,500 --> 00:37:27,500

Okay, hypnosis.

580

00:37:27,500 --> 00:37:30,500

Well, we did see a change in John's brainwave.

581

00:37:30,500 --> 00:37:34,500

There's evidence to suggest that remote hypnosis does work.

582

00:37:34,500 --> 00:37:37,500

So this one is also plausible.

583

00:37:37,500 --> 00:37:43,500

But it's a really limited effect, and like all of these mind control devices, they're not sophisticated enough to say,

584

00:37:43,500 --> 00:37:47,500

make you buy more popcorn or drink more soda or kill the president.

585

00:37:47,500 --> 00:37:48,500

Yeah.

586

00:37:48,500 --> 00:37:49,500

So that's it.

587

00:37:49,500 --> 00:37:51,500

We can all sleep safely in our beds.

588

00:37:51,500 --> 00:37:59,500

The final score is three busted, two plausible, and one more mind boggling myth laid to rest.

589

00:38:01,500 --> 00:38:04,500

Jamie and Adam are having a blast.

590

00:38:04,500 --> 00:38:10,500

Their quest to paint with explosives has led to two very different designs.

591

00:38:10,500 --> 00:38:13,500

Adam is first, and he's painting by numbers.

592

00:38:13,500 --> 00:38:14,500

The numbers are...

593

00:38:14,500 --> 00:38:19,500

Five, four, three, two, one.

594

00:38:22,500 --> 00:38:24,500

I see a lot of greens.

595

00:38:24,500 --> 00:38:26,500

And the building's still standing.

596

00:38:26,500 --> 00:38:27,500

Oh, that's a good one.

597

00:38:27,500 --> 00:38:29,500

That is a very good thing.

598

00:38:29,500 --> 00:38:31,500

Let's go look.

599

00:38:31,500 --> 00:38:32,500

Are we clear to look?

600

00:38:32,500 --> 00:38:34,500

Let's have a look.

601

00:38:34,500 --> 00:38:36,500

Well, there's paint on all the cameras.

602

00:38:36,500 --> 00:38:38,500

But what about the walls?

603

00:38:38,500 --> 00:38:39,500

Oh, man.

604

00:38:39,500 --> 00:38:43,500

Yep, the walls have a coat of paint, but is it any good?

605

00:38:43,500 --> 00:38:46,500

I thought it would be a little better than that.

606

00:38:46,500 --> 00:38:49,500

The detonation cord looks like it was ideal.

607

00:38:49,500 --> 00:38:55,500

It's spread the paint in a fine mist without damaging the walls, but it's not a perfect paint job.

608

00:38:55,500 --> 00:38:58,500

Coverage total crap, unfortunately.

609

00:38:58,500 --> 00:39:00,500

Yep, that we can see.

610

00:39:00,500 --> 00:39:02,500

So how about some analysis?

611

00:39:02,500 --> 00:39:07,500

You think that it makes sense to your brain that you, like, get some dynamite near paint,

612

00:39:07,500 --> 00:39:09,500

and that paint's just going to go everywhere.

613

00:39:09,500 --> 00:39:12,500

But in fact, actually, it's quite obvious from looking at this.

614

00:39:12,500 --> 00:39:18,500

And from the explosion, there's a pressure wave, and it travels in a very predictable pattern,

615

00:39:18,500 --> 00:39:21,500

360 degrees from the point of detonation.

616

00:39:21,500 --> 00:39:27,500

And if you don't have paint in its way all the way around in equal amounts, you're going to get screwed.

617

00:39:27,500 --> 00:39:33,500

I'm hoping that fans have a real problem with this, and email everybody about it so we get to revisit it.

618

00:39:33,500 --> 00:39:38,500

Before you send in those emails, Jamie still has to launch his pyramid paint bomb.

619

00:39:38,500 --> 00:39:40,500

Oh, are you ready to set up yours?

620

00:39:40,500 --> 00:39:41,500

Yeah.

621

00:39:42,500 --> 00:39:45,500

Mythbuster Pride is on the line.

622

00:39:45,500 --> 00:39:50,500

Jamie at his pyramid paint bomb is the team's last chance for success.

623

00:39:50,500 --> 00:39:54,500

Precision is the cornerstone of Jamie's design.

624

00:39:54,500 --> 00:39:56,500

And as the actor said to the bishop,

625

00:39:56,500 --> 00:39:58,500

Dude, one more inch.

626

00:39:58,500 --> 00:40:00,500

That's dead center.

627

00:40:00,500 --> 00:40:04,500

Next, our explosive experts help give this paint bomb its bang.

628

00:40:04,500 --> 00:40:09,500

Through each of the five pots, they feed separate pieces of detonation cord.

629

00:40:09,500 --> 00:40:12,500

The blast is concentrated by tying them into a knot.

630

00:40:12,500 --> 00:40:14,500

Now to load the ammunition.

631

00:40:14,500 --> 00:40:17,500

Are you going to try and coat each of all a different color?

632

00:40:17,500 --> 00:40:19,500

That's the plan.

633

00:40:21,500 --> 00:40:22,500

Excellent.

634

00:40:22,500 --> 00:40:27,500

With five half gallon paint bombs ready to pop, Jamie carefully tapes them into position.

635

00:40:27,500 --> 00:40:28,500

How's it going, neighbor?

636

00:40:28,500 --> 00:40:30,500

I'm going to paint my house.

637

00:40:30,500 --> 00:40:31,500

You better clear out.

638

00:40:31,500 --> 00:40:33,500

You're going to paint your house with explosives?

639

00:40:33,500 --> 00:40:35,500

That's crazy.

640

00:40:35,500 --> 00:40:38,500

All five mortars are ready to fire.

641

00:40:38,500 --> 00:40:41,500

I think we're good to go. Let's get out of here.

642

00:40:41,500 --> 00:40:43,500

And Jamie is as proud as Punch.

643

00:40:43,500 --> 00:40:46,500

This is one of the most wonderful things about the work,

644

00:40:46,500 --> 00:40:51,500

is that oftentimes we're allowed to do things that nobody else has ever done before.

645

00:40:51,500 --> 00:40:55,500

Back in the bunker, and Jamie's creation gets a Mythbuster moniker.

646

00:40:55,500 --> 00:40:57,500

The flower of death.

647

00:40:57,500 --> 00:41:00,500

Los Flores, Nidos Matos.

648

00:41:00,500 --> 00:41:01,500

That's it.

649

00:41:01,500 --> 00:41:07,500

This is it. With the system hot, the flower of death loaded, Jamie just needs to count backwards.

650

00:41:07,500 --> 00:41:10,500

Three, two, one.

651

00:41:13,500 --> 00:41:19,500

The remote cameras take one for the team, but the force of the blast means the pictures are

inconclusive.

652

00:41:19,500 --> 00:41:23,500

And the view from the bunker is Jamie's pyramids ain't so great.

653

00:41:23,500 --> 00:41:25,500

The window looks pretty red.

654

00:41:25,500 --> 00:41:28,500

Yeah, it doesn't look like it did what I wanted it to do from here.

655

00:41:28,500 --> 00:41:30,500

But let's go find out.

656

00:41:33,500 --> 00:41:36,500

That's horrible. Dude.

657

00:41:36,500 --> 00:41:39,500

That is not at all effective.

658

00:41:39,500 --> 00:41:45,500

No, it's actually a fantastic way to do abstract expressionist painting.

659

00:41:45,500 --> 00:41:49,500

This is a masterpiece in here. I swear to God.

660

00:41:49,500 --> 00:41:51,500

Really, this is Jackson Pollock.

661

00:41:51,500 --> 00:41:54,500

Through and through and through.

662

00:41:54,500 --> 00:41:58,500

Each wall actually is like a different phase of his career.

663

00:41:58,500 --> 00:42:01,500

Adam is obviously talking complete Pollock.

664

00:42:01,500 --> 00:42:04,500

Let's see if Jamie has some science for us.

665

00:42:04,500 --> 00:42:09,500

The only thing that I can see that's some sort of indication what actually happened is that

666

00:42:09,500 --> 00:42:14,500

we've got more or less a vertical stripe here, a vertical stripe here, a vertical stripe here.

667

00:42:14,500 --> 00:42:18,500

I mean, it did directionalize the paint. It just didn't spread it.

668

00:42:18,500 --> 00:42:24,500

There was direction, but each of the five colors hit its target wall with a splat rather than a spray.

669

00:42:24,500 --> 00:42:28,500

So Adam's patchy undercoat of green is still clearly visible.

670

00:42:28,500 --> 00:42:33,500

Basically, you won't be picking up Jamie's Flower of Death or Adam's Bag of Paint

671

00:42:33,500 --> 00:42:36,500

at your local hardware store anytime soon.

672

00:42:36,500 --> 00:42:41,500

With another couple of days and four or five more full-scale explosions,

673

00:42:41,500 --> 00:42:48,500

we might get pretty close to something that did some kind of reasonable, complete coverage of the walls,

674

00:42:48,500 --> 00:42:53,500

but it's still going to leave debris and shrapnel and all sorts of stuff.

675

00:42:53,500 --> 00:42:59,500

This proves to me that there is no way to viably paint your house with explosives,

676

00:42:59,500 --> 00:43:01,500

much as you would like to try.

677

00:43:03,500 --> 00:43:08,500

So our experiment in home improvement with Dynamite, painting with explosives, what's the verdict?

678

00:43:08,500 --> 00:43:12,500

Mr. Bean version, bust it. Our version was also busted.

679

00:43:12,500 --> 00:43:18,500

Yeah, I think the best that can be said about what we achieved was that you found a stunning way to make instant modern art.

680

00:43:18,500 --> 00:43:19,500

Yep, but it's still busted.

681

00:43:19,500 --> 00:43:20,500

Yeah, it's busted.

682

00:43:23,500 --> 00:43:25,500

.