

1

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

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

2

00:00:30,000 --> 00:00:37,000

I'm feeling a little left out here. And I'm glad. What's going on?

3

00:00:37,000 --> 00:00:44,000

Beer goggles. Beer goggles. Beer goggles. It's been out there waiting for us the whole time and for some reason we haven't tested it.

4

00:00:44,000 --> 00:00:50,000

The idea that alcohol has this magical property that will make people around you more attractive the more you drink.

5

00:00:50,000 --> 00:00:52,000

Actually, I feel like I've been testing this for over a decade.

6

00:00:52,000 --> 00:00:56,000

Yes, but that's anecdotally. We are going to test it scientifically.

7

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

Great. More drinking on the job.

8

00:01:01,000 --> 00:01:11,000

Jamie knows that eventually this will turn ugly. They'll have to lose their inhibitions and maybe their lunch to test the truth of beer goggles.

9

00:01:11,000 --> 00:01:17,000

This seems to be a really subjective thing. We need to be objective if we're going to be scientific. How are we going to do that?

10

00:01:17,000 --> 00:01:18,000

Large sample size?

11

00:01:18,000 --> 00:01:25,000

That's exactly what I'm thinking. And I'm thinking that we rate photos. Specifically, we get a bunch of photos, us of women, you of men.

12

00:01:25,000 --> 00:01:31,000

We review a whole bunch and rate them when we're sober and then we get drunk and re-rate those photos.

13

00:01:31,000 --> 00:01:33,000

And see if there's a difference.

14

00:01:33,000 --> 00:01:34,000

Exactly.

15

00:01:36,000 --> 00:01:42,000

But before we raise our glasses, let's meet the newest member of the team with a vital role to play.

16

00:01:42,000 --> 00:01:48,000

This is our new smart board. Not only is it a really big, beautiful interface, but it's also interactive.

17

00:01:48,000 --> 00:01:51,000

Let me show you a couple of tricks. Watch this.

18

00:01:52,000 --> 00:01:58,000

Ha ha ha. How about that? Huh? Huh? You like that? It gets better.

19

00:01:58,000 --> 00:02:06,000

Check it out. Not only can I even do that, I can also diagram what's going to happen in real time.

20

00:02:06,000 --> 00:02:12,000

Now, I'm not going to go too much farther showing you the tricks this thing can do because we're about to use it a whole bunch in this very episode.

21

00:02:13,000 --> 00:02:20,000

The board's first job is to help Adam, still sober, rate the looks of 30 women from 1 to 10.

22

00:02:21,000 --> 00:02:28,000

There we go. He's got just 5 seconds to score each photo. He can see the time ticked down on the left of the screen.

23

00:02:28,000 --> 00:02:35,000

I gotta say the exercise of giving a quick rating, it doesn't feel great. It's kind of an awful thing to have to do.

24

00:02:37,000 --> 00:02:43,000

Ah! Like I find myself resisting giving a 1 or a 2, but...yeah, but...

25

00:02:43,000 --> 00:02:45,000

I got a 96!

26

00:02:46,000 --> 00:02:53,000

So the total possible score is potentially 300. Out of that, I gave a 96.

27

00:02:53,000 --> 00:02:59,000

The question from here on in will be, as I drink, will my overall score go up?

28

00:02:59,000 --> 00:03:03,000

Now it's Carrie's turn to rate the chaps.

29

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

Alright, Carrie, sober. Let's start.

30

00:03:09,000 --> 00:03:14,000

5 seconds is really quick to come up with a number to rate someone.

31

00:03:14,000 --> 00:03:19,000

I mean, usually give them a little bit more time if you're in a bar or something.

32

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

And quite honestly, there are no supermodels on here.

33

00:03:22,000 --> 00:03:25,000

Oh, God, do I rate you on your hair?

34

00:03:30,000 --> 00:03:34,000

Carrie's either much more generous or less discriminating than Adam.

35

00:03:35,000 --> 00:03:38,000

Okay, total score, 154.

36

00:03:41,000 --> 00:03:44,000

I noticed I was rating higher on men that looked confident.

37

00:03:44,000 --> 00:03:50,000

If they looked sort of squirrely and really apprehensive about the whole thing, I definitely gave them a lower score.

38

00:03:50,000 --> 00:03:54,000

Now for a man who's anything but squirrely.

39

00:03:54,000 --> 00:03:55,000

Your turn.

40

00:03:55,000 --> 00:04:01,000

Okay, I'm about to look at a bunch of pictures of women, apparently, and try to objectify them.

41

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

Jamie's got a point.

42

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

Snap decisions based on looks alone are shallow and shameful.

43

00:04:08,000 --> 00:04:12,000

But hey, it's all in the name of social science.

44

00:04:12,000 --> 00:04:15,000

It's set up so that it's sort of a gut reaction.

45

00:04:15,000 --> 00:04:20,000

I don't know how consistent it's going to be, but that's where the averaging becomes important.

46

00:04:20,000 --> 00:04:25,000

Because you've got some kind of a number that should show a trend.

47

00:04:25,000 --> 00:04:27,000

And Jamie's trendy number?

48

00:04:27,000 --> 00:04:30,000

Higher than Adam's, but lower than Carrie's.

49

00:04:30,000 --> 00:04:32,000

So I got a 116.

50

00:04:34,000 --> 00:04:36,000

Whatever that means.

51

00:04:36,000 --> 00:04:39,000

Well, it means nothing until they've done this twice more.

52

00:04:39,000 --> 00:04:44,000

First, slightly inebriated, and then stumbling, dribbling drunk.

53

00:04:45,000 --> 00:04:46,000

Hello, Ginger.

54

00:04:46,000 --> 00:04:48,000

Hi, Adam. How are you doing?

55

00:04:48,000 --> 00:04:50,000

Good. How about three beers?

56

00:04:51,000 --> 00:04:54,000

Don't even ask how Adam knows the bar staff by name.

57

00:04:54,000 --> 00:04:57,000

Let's just say he won't need directions to the restroom.

58

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

Let the test begin.

59

00:04:59,000 --> 00:05:00,000

To science.

60

00:05:00,000 --> 00:05:01,000

To science.

61

00:05:02,000 --> 00:05:04,000

The aim here is to get buzzed.

62

00:05:04,000 --> 00:05:07,000

For the boys, that means two or three quick brusquets.

63

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

For Carrie, maybe one less.

64

00:05:10,000 --> 00:05:13,000

What's red and smells like blue paint?

65

00:05:13,000 --> 00:05:14,000

What?

66

00:05:14,000 --> 00:05:15,000

Red paint.

67

00:05:21,000 --> 00:05:23,000

Ginger keeps the sides coming.

68

00:05:24,000 --> 00:05:28,000

And they're ready to test if they're officially buzzed.

69

00:05:28,000 --> 00:05:30,000

Let's do a breathalyzer.

70

00:05:30,000 --> 00:05:32,000

Let's get some science going.

71

00:05:32,000 --> 00:05:33,000

It sounds like fun.

72

00:05:35,000 --> 00:05:36,000

0.06.

73

00:05:37,000 --> 00:05:41,000

Over to Carrie, who proved she's too drunk to drive.

74

00:05:41,000 --> 00:05:42,000

0.08.

75

00:05:43,000 --> 00:05:44,000

She's at the legal limit.

76

00:05:45,000 --> 00:05:48,000

Then Jamie blows the same number as Adam.

77

00:05:49,000 --> 00:05:50,000

0.06.

78

00:05:51,000 --> 00:05:57,000

But will their slightly pickled perceptions affect the way they judge the opposite sex?

79

00:05:57,000 --> 00:05:59,000

How am I going to do when I'm buzzed?

80

00:05:59,000 --> 00:06:02,000

I don't think it'll be a whole lot different than sober.

81

00:06:02,000 --> 00:06:04,000

Adam's not so sure.

82

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

And he's the first to try it.

83

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

I'm going to 0.06.

84

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

You guys, don't cheat. Don't look over here. You got it?

85

00:06:11,000 --> 00:06:12,000

No problem.

86

00:06:12,000 --> 00:06:17,000

Okay. Adam buzzed. Here we go.

87

00:06:17,000 --> 00:06:24,000

This time around, they've got 30 new faces judged by others to be exactly as attractive as the first batch.

88

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

I can already feel my ratings being higher.

89

00:06:29,000 --> 00:06:34,000

I found it much easier to rate them buzzed than sober.

90

00:06:34,000 --> 00:06:38,000

I started to feel bad for the ones and twos while sober, buzzed.

91

00:06:38,000 --> 00:06:40,000

I didn't care at all.

92

00:06:40,000 --> 00:06:42,000

1, 1, 2, you're out.

93

00:06:42,000 --> 00:06:45,000

Harsh words, but his tally supports the myth.

94

00:06:45,000 --> 00:06:49,000

He is finding these faces more attractive.

95

00:06:49,000 --> 00:06:53,000

My buzz score overall is 1, 21.

96

00:06:53,000 --> 00:06:56,000

That's 25 more than his sober test.

97

00:06:56,000 --> 00:07:01,000

So on average, each girl rates almost a full point extra.

98

00:07:01,000 --> 00:07:06,000

Now for Carrie, who was far kinder than the boys' first time round.

99

00:07:06,000 --> 00:07:11,000

I think I'd get a little giddy after a few drinks, so I think I might be pretty generous after I've had a beer or two.

100

00:07:11,000 --> 00:07:13,000

Or three.

101

00:07:13,000 --> 00:07:19,000

Carrie also has 30 new faces to rate. Again, all average joes.

102

00:07:19,000 --> 00:07:21,000

That is some fabulous hair.

103

00:07:22,000 --> 00:07:27,000

But the beer goggle effect seems to be working in reverse.

104

00:07:27,000 --> 00:07:29,000

Is this an uglier group of people?

105

00:07:29,000 --> 00:07:32,000

I wouldn't give most of those guys change if I passed them on the street.

106

00:07:33,000 --> 00:07:38,000

Just two hours ago, sober, Carrie rated a similar group at 154.

107

00:07:38,000 --> 00:07:40,000

Now that she's loosened up...

108

00:07:40,000 --> 00:07:45,000

My buzz score was 89. I might be a mean drunk.

109

00:07:45,000 --> 00:07:50,000

I'm not sure if I was charity rating before, because I felt kind of bad for some of the uglier people,

110

00:07:50,000 --> 00:07:55,000

but there was absolutely no talent in this group. None.

111

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

So Jamie steps up to rate the new babes.

112

00:07:59,000 --> 00:08:03,000

And remember, he predicted no change whatsoever.

113

00:08:03,000 --> 00:08:06,000

Here we go. Jamie buzzed.

114

00:08:09,000 --> 00:08:17,000

My perceptions of what made them attractive or not attractive are pretty much the same as they were the last time as far as I know.

115

00:08:17,000 --> 00:08:23,000

I mean, nice complexion, regular features, signs of health, things like that.

116

00:08:23,000 --> 00:08:30,000

But after three beers, Jamie's brain is lightly sauteed. It all comes down to one number.

117

00:08:30,000 --> 00:08:36,000

Okay, I'm done. My buzzed score was 105.

118

00:08:36,000 --> 00:08:42,000

His sober score was 116, but we're yet to test anyone cross-eyed drunk.

119

00:08:42,000 --> 00:08:47,000

And when we do, the figures, I promise, will surprise you.

120

00:08:47,000 --> 00:08:49,000

I feel like I've met her.

121

00:08:49,000 --> 00:08:57,000

After the break, Tori Grant and Carrie revived the legend of the awesome Korean arrow launcher called the Watcha.

122

00:08:57,000 --> 00:09:00,000

Come on, baby. Come on, Watcha.

123

00:09:06,000 --> 00:09:15,000

Alright, you guys, this next myth is gonna be insane.

124

00:09:15,000 --> 00:09:16,000

What is it?

125

00:09:16,000 --> 00:09:19,000

That's it. The Watcha. It's an ancient Korean weapon.

126

00:09:19,000 --> 00:09:20,000

Oh.

127

00:09:20,000 --> 00:09:22,000

If there's a picture of it, that means it's not a myth. It exists.

128

00:09:22,000 --> 00:09:25,000

Well, we know it exists. What we're gonna test is the legend of the Watcha.

129

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

Whether or not it could do what they said it could do.

130

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

Apparently, they could fire 200 arrows all at once, going 500 yards, and all of the arrows explode on impact.

131

00:09:34,000 --> 00:09:40,000

Okay, well, to begin with, any weapon in that era wouldn't have had the benefit of modern explosives or propellants.

132

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

It was likely based entirely on black powder.

133

00:09:43,000 --> 00:09:47,000

So first, we need to find out if black powder can actually propel one of those arrows 500 yards.

134

00:09:47,000 --> 00:09:50,000

Right. And then we need to see if we can get these rockets to explode on impact.

135

00:09:50,000 --> 00:09:58,000

And finally, we need to see if we can launch 200 arrows simultaneously without them all crashing into each other or exploding on the stand.

136

00:09:58,000 --> 00:10:03,000

It's a massive myth to unravel with three key parts.

137

00:10:03,000 --> 00:10:08,000

One, can a fire arrow actually travel 500 yards?

138

00:10:08,000 --> 00:10:12,000

Two, can it be rigged to explode on impact?

139

00:10:12,000 --> 00:10:16,000

And three, can you really set off 200 at once?

140

00:10:16,000 --> 00:10:19,000

So let's start up at the pointy end.

141

00:10:19,000 --> 00:10:25,000

What I'm gonna do right now is I'm gonna build one of these arrows from the materials that the ancient Koreans would have used.

142

00:10:25,000 --> 00:10:29,000

I have some bamboo. I have some feathers for my fletching.

143

00:10:29,000 --> 00:10:33,000

And finally, a piece of steel to make my arrow heads out of.

144

00:10:33,000 --> 00:10:41,000

Tori proves himself a first-class fletcher and a pretty fair blacksmith.

145

00:10:41,000 --> 00:10:47,000

Alright, so my arrow is done. Now it's time to see how it flies.

146

00:10:47,000 --> 00:10:50,000

What a fly!

147

00:10:50,000 --> 00:10:53,000

Pretty dang good.

148

00:10:53,000 --> 00:10:58,000

That's one down, 199 to go.

149

00:10:58,000 --> 00:11:06,000

Tori leaves the hard work to carry as he and Grant skip town to visit Zambelli fireworks in Pennsylvania.

150

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

We're lost, aren't we?

151

00:11:08,000 --> 00:11:14,000

The rationale behind the road trip is that the fire arrows work just like sky rockets.

152

00:11:14,000 --> 00:11:19,000

We happen to have some fun while we're here. That's purely quits and end.

153

00:11:19,000 --> 00:11:24,000

Just like fireworks, the Wacha rockets were charged with black powder.

154

00:11:24,000 --> 00:11:30,000

Hours have to travel 500 yards strapped to a 4 1 half foot arrow.

155

00:11:30,000 --> 00:11:35,000

Grant and Tori are determined to roll their own and Bill is here to help them.

156

00:11:35,000 --> 00:11:38,000

Well, let's see, what's one of these weigh?

157

00:11:38,000 --> 00:11:42,000

About four ounces. That's not bad.

158

00:11:42,000 --> 00:11:47,000

Every 12 ounces, the shell weighs. We had one ounce of lift to lift it up in the air.

159

00:11:47,000 --> 00:11:54,000

If you guys want to go 500 yards, that's a long way, so we'll see how a two ounce rocket works.

160

00:11:54,000 --> 00:12:01,000

Using six inch cardboard tubes, Bill shows how to pack a charge without blowing up the bunker.

161

00:12:01,000 --> 00:12:07,000

You do a little bit at a time and you put the rods down and you just give it a couple hits.

162

00:12:07,000 --> 00:12:08,000

It feels wrong.

163

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

Don't hit it too hard, man. I just hate to see you blow your hand off.

164

00:12:13,000 --> 00:12:14,000

Good?

165

00:12:14,000 --> 00:12:15,000

Good.

166

00:12:15,000 --> 00:12:16,000

Hey.

167

00:12:19,000 --> 00:12:25,000

Grant and Tori make several versions, some with more black powder and some with less.

168

00:12:26,000 --> 00:12:30,000

The rockets are wrapped in paper, then Bill adds the fuse.

169

00:12:30,000 --> 00:12:37,000

When we go to fire, we'll cut this paper and peel it back and give yourself five or six seconds to walk away.

170

00:12:37,000 --> 00:12:38,000

Okay.

171

00:12:40,000 --> 00:12:41,000

You ready?

172

00:12:41,000 --> 00:12:44,000

Yeah. Let's see what these bad boys can do.

173

00:12:45,000 --> 00:12:48,000

Oh, this is perfect.

174

00:12:48,000 --> 00:12:51,000

Can't you just imagine an invading army coming out of that forest?

175

00:12:51,000 --> 00:12:52,000

Totally.

176

00:12:52,000 --> 00:12:57,000

All right, so we need to see if these arrows can fly 500 yards, so we should walk it out.

177

00:12:57,000 --> 00:13:02,000

They're here to test part one of the myth that a rocket arrow really could make the distance,

178

00:13:02,000 --> 00:13:06,000

but 500 yards is a long, long way.

179

00:13:06,000 --> 00:13:08,000

This is how all horror movies start.

180

00:13:09,000 --> 00:13:12,000

Didn't that guy say stick to the path?

181

00:13:14,000 --> 00:13:16,000

This is going to be perfect right at the tree line.

182

00:13:17,000 --> 00:13:21,000

The crop ends smack bang on the 500 yard mark.

183

00:13:23,000 --> 00:13:28,000

They take the target halfway up a tree so they can see it from the launch site.

184

00:13:28,000 --> 00:13:32,000

At this point, I think we're just going for distance rather than aim,

185

00:13:32,000 --> 00:13:36,000

but if I were to take a guess to see whether the arrow had hit him,

186

00:13:36,000 --> 00:13:38,000

I'd have to say we probably wouldn't.

187

00:13:38,000 --> 00:13:41,000

Then again, the watcha had 200 arrows.

188

00:13:41,000 --> 00:13:46,000

If this baby bear rocket reaches the trees, they can pack up and go home.

189

00:13:53,000 --> 00:13:54,000

Yeah!

190

00:13:54,000 --> 00:13:55,000

Nice! It didn't really work.

191

00:13:55,000 --> 00:13:57,000

There's a lot of reasons why these rockets might not be working.

192

00:13:57,000 --> 00:14:00,000

Maybe we didn't pack the black powder tight enough.

193

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

The knob might be the wrong size, or the arrows are just too heavy,

194

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

and this rocket can't give it lift.

195

00:14:05,000 --> 00:14:07,000

But we're not going to give up.

196

00:14:07,000 --> 00:14:10,000

We're going to keep trying because we want to get these arrows to fly.

197

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

So Grant tries a rocket with more powder and a smaller nozzle.

198

00:14:18,000 --> 00:14:19,000

Quick! They're charging!

199

00:14:23,000 --> 00:14:24,000

Whoa!

200

00:14:26,000 --> 00:14:27,000

Oh, you guys!

201

00:14:27,000 --> 00:14:28,000

That was nuts!

202

00:14:29,000 --> 00:14:30,000

Did you see it go?

203

00:14:31,000 --> 00:14:32,000

Did I roll around?

204

00:14:32,000 --> 00:14:33,000

Alright.

205

00:14:33,000 --> 00:14:35,000

I'm going to see if I can go find that.

206

00:14:35,000 --> 00:14:36,000

Good luck!

207

00:14:45,000 --> 00:14:47,000

That went more than halfway.

208

00:14:47,000 --> 00:14:49,000

Yeah, 290 yards.

209

00:14:49,000 --> 00:14:52,000

As beautiful as that was, it's still not good enough for this myth.

210

00:14:52,000 --> 00:14:54,000

I mean, the arrow only made it to 290 yards.

211

00:14:54,000 --> 00:14:57,000

We're not stopping until we reach 500.

212

00:14:57,000 --> 00:15:02,000

For that, they'll need to double the charge by strapping on two black powder engines.

213

00:15:02,000 --> 00:15:04,000

But will the arrow bear the weight?

214

00:15:04,000 --> 00:15:07,000

Grant adjusts the angle to 50 degrees.

215

00:15:07,000 --> 00:15:09,000

That is right on the money.

216

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

This field test is all about going the distance.

217

00:15:13,000 --> 00:15:17,000

Landing short would make this myth a misfire.

218

00:15:17,000 --> 00:15:20,000

Come on, baby! Come on, watch out!

219

00:15:23,000 --> 00:15:24,000

Come on! Come on!

220

00:15:24,000 --> 00:15:25,000

Whoa!

221

00:15:26,000 --> 00:15:27,000

Come on!

222

00:15:27,000 --> 00:15:28,000

Keep going! Keep going!

223

00:15:28,000 --> 00:15:32,000

Did that look like I had exploded above the chest?

224

00:15:32,000 --> 00:15:33,000

Yes!

225

00:15:33,000 --> 00:15:35,000

I think it exploded over the trees, man.

226

00:15:35,000 --> 00:15:36,000

That's 500 yards, buddy.

227

00:15:36,000 --> 00:15:37,000

That went the distance?

228

00:15:37,000 --> 00:15:38,000

Yeah!

229

00:15:42,000 --> 00:15:46,000

The target's untouched, but they've got what they came for.

230

00:15:46,000 --> 00:15:47,000

They reached it.

231

00:15:47,000 --> 00:15:49,000

This part of the myth is confirmed.

232

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

God, this is going to be a nightmare, trying to get all 200 arrows to fire off at the same time.

233

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

And we still got to make the cart and find out if that explosive charge was mortally wounding.

234

00:15:58,000 --> 00:15:59,000

We got a lot of work.

235

00:15:59,000 --> 00:16:01,000

We better get back to the shop.

236

00:16:01,000 --> 00:16:02,000

Alright.

237

00:16:03,000 --> 00:16:04,000

Next up.

238

00:16:05,000 --> 00:16:08,000

It's close to closing time for the myth of beer goggles.

239

00:16:08,000 --> 00:16:10,000

She's pretty darn cute.

240

00:16:11,000 --> 00:16:14,000

But for Adam and Jamie, the party's only just begun.

241

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

Shut up. Leave me alone.

242

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

Leave me alone.

243

00:16:22,000 --> 00:16:25,000

Adam, Jamie and Carrie are risking their lives.

244

00:16:25,000 --> 00:16:26,000

That should read,

245

00:16:26,000 --> 00:16:29,000

Libbers to Test the Myth of Beer Goggles.

246

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

This is the best day at work in the world.

247

00:16:32,000 --> 00:16:37,000

They've all done the test sober and then buzzed with varied results.

248

00:16:39,000 --> 00:16:40,000

Time to raise the stakes.

249

00:16:40,000 --> 00:16:42,000

I think it's time for a scotch.

250

00:16:42,000 --> 00:16:44,000

And maybe lower their standards.

251

00:16:44,000 --> 00:16:45,000

What are you going to have?

252

00:16:46,000 --> 00:16:48,000

Whatever's in that brown bottle.

253

00:16:48,000 --> 00:16:51,000

Hard to beat a drink of something brown.

254

00:16:53,000 --> 00:16:55,000

Carrie still has a lot to learn.

255

00:16:55,000 --> 00:16:57,000

Like, don't tease the wildlife.

256

00:16:58,000 --> 00:17:00,000

Can I style you? Hold on.

257

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

No, I usually don't let people do that.

258

00:17:05,000 --> 00:17:09,000

I know not you, Jamie, but I'm ready to take this test and I know that Carrie is.

259

00:17:11,000 --> 00:17:13,000

Adam blows point one one.

260

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

That's good enough.

261

00:17:15,000 --> 00:17:17,000

And Jamie, point one zero.

262

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

That works.

263

00:17:18,000 --> 00:17:21,000

So technically, they're both a bit wobbly.

264

00:17:23,000 --> 00:17:26,000

As for Carrie, point one three.

265

00:17:26,000 --> 00:17:28,000

Dude, you are so ready for this test.

266

00:17:29,000 --> 00:17:34,000

In fact, they're all well primed for part three of the Beer Goggles challenge.

267

00:17:34,000 --> 00:17:40,000

These last 30 faces are a random mix of those they've seen sober and buzzed.

268

00:17:40,000 --> 00:17:42,000

She's pretty darn cute.

269

00:17:42,000 --> 00:17:43,000

Eight.

270

00:17:44,000 --> 00:17:45,000

She's very cute.

271

00:17:46,000 --> 00:17:47,000

I've met her.

272

00:17:49,000 --> 00:17:52,000

It seems like in each group there's a lot more to checks.

273

00:17:54,000 --> 00:17:58,000

When he's done, Adam's score reflects his growing enthusiasm.

274

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

One thirty four.

275

00:18:01,000 --> 00:18:02,000

Wow.

276

00:18:03,000 --> 00:18:06,000

But the wild card here is Carrie.

277

00:18:06,000 --> 00:18:10,000

She was far harsher buzzed, so this could be anything.

278

00:18:10,000 --> 00:18:12,000

Carrie drunk.

279

00:18:13,000 --> 00:18:14,000

Carrie correct.

280

00:18:14,000 --> 00:18:19,000

Her thirty guys look set for another beating, assuming she can still see straight.

281

00:18:19,000 --> 00:18:22,000

You look homeless, but kind of cute.

282

00:18:23,000 --> 00:18:24,000

That's all right.

283

00:18:25,000 --> 00:18:29,000

Even Carrie's surprise that the tide might be turning.

284

00:18:29,000 --> 00:18:35,000

When I was sober, I was definitely thinking that confident looking people looked sort of attractive.

285

00:18:36,000 --> 00:18:39,000

And then as I was buzzed, they looked cocky.

286

00:18:39,000 --> 00:18:49,000

And then as I got drunker, I was sort of thinking that the people that were attractive were sort of the more vulnerable looking people, sort of like the more sadder characters.

287

00:18:49,000 --> 00:18:51,000

They just, they looked cuter.

288

00:18:51,000 --> 00:18:56,000

And that's why men will never, ever guess what a woman is thinking.

289

00:18:56,000 --> 00:18:59,000

Carrie's score is one hundred fifty three.

290

00:18:59,000 --> 00:19:04,000

I can't remember if that's higher or lower than either of my scores.

291

00:19:04,000 --> 00:19:08,000

That's a sixty four point jump from last time.

292

00:19:08,000 --> 00:19:12,000

As for the man bent on putting reason back into romance.

293

00:19:12,000 --> 00:19:13,000

Jamie drunk.

294

00:19:13,000 --> 00:19:14,000

Start.

295

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

Drunk, buzzed, sober, and apples and apples and oranges and oranges.

296

00:19:24,000 --> 00:19:25,000

There we go.

297

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

Drunk score one hundred and eleven.

298

00:19:29,000 --> 00:19:33,000

From stone cold sober to stinking drunk.

299

00:19:33,000 --> 00:19:37,000

Jamie's judgment varied by just eleven points.

300

00:19:37,000 --> 00:19:43,000

Basically what I'm saying is that I don't see that I'm subject to beer goggles.

301

00:19:43,000 --> 00:19:49,000

With three very different results, they'll make or break this myth by checking the numbers.

302

00:19:49,000 --> 00:19:53,000

I don't know about YouTube reprobates, but I don't feel in any condition to crunch any numbers.

303

00:19:53,000 --> 00:19:58,000

I think we ought to go home, drink a lot of water, sober up, and come back tomorrow.

304

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

Did you say you were calling a taxi?

305

00:20:00,000 --> 00:20:02,000

Taxi? Absolutely.

306

00:20:02,000 --> 00:20:06,000

Looks to me like we all had very different reactions to the alcohol.

307

00:20:06,000 --> 00:20:08,000

What do you two make out of it?

308

00:20:08,000 --> 00:20:09,000

I'll tell you what I see.

309

00:20:09,000 --> 00:20:13,000

If this myth were totally confirmed, all three of our graph lines would look like mine.

310

00:20:13,000 --> 00:20:21,000

A steady improvement in our assessment of the attractiveness of the opposite sex directly in proportion to the amount of alcohol we consumed.

311

00:20:21,000 --> 00:20:24,000

It definitely looks like it was way harsher when I was buzzed than when I was sober.

312

00:20:24,000 --> 00:20:26,000

And I look pretty consistent all in all.

313

00:20:26,000 --> 00:20:31,000

However, I'd like to point out that both of you showed improvement from being buzzed to being drunk.

314

00:20:31,000 --> 00:20:37,000

That result, combined with my steady improvement all along the line, tells me this one is easily plausible.

315

00:20:37,000 --> 00:20:39,000

Definitely plausible.

316

00:20:39,000 --> 00:20:41,000

Okay, plausible.

317

00:20:45,000 --> 00:20:46,000

What's this for?

318

00:20:46,000 --> 00:20:48,000

It's gonna be easier when it's got wheels on it.

319

00:20:48,000 --> 00:20:51,000

The deadly huacha takes shape.

320

00:20:51,000 --> 00:20:52,000

Huacha!

321

00:20:52,000 --> 00:20:56,000

While Jamie and Adam totally lose the plot.

322

00:20:56,000 --> 00:20:58,000

Ah, ah, ah.

323

00:21:01,000 --> 00:21:05,000

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

324

00:21:05,000 --> 00:21:07,000

Ever.

325

00:21:07,000 --> 00:21:09,000

This one ends.

326

00:21:09,000 --> 00:21:16,000

Adam and Jamie have already drunk themselves sideways for science, but there's no time to sleep it off.

327

00:21:16,000 --> 00:21:20,000

In fact, that's exactly the point of our next myth.

328

00:21:20,000 --> 00:21:27,000

Well, I've been thinking along the lines of drinking myths, I have always wanted to do sobering up techniques.

329

00:21:27,000 --> 00:21:34,000

Specifically because I've always wanted to see a high-speed shot of somebody getting smacked in the face.

330

00:21:34,000 --> 00:21:38,000

Well, as long as that somebody is you, I'm okay with it.

331

00:21:38,000 --> 00:21:39,000

I'll take that on.

332

00:21:39,000 --> 00:21:44,000

We can add to it to black coffee, exercise, whatever else people do to sober up.

333

00:21:44,000 --> 00:21:46,000

But we gotta get drunk again.

334

00:21:46,000 --> 00:21:51,000

Well, we've already shot the first part of the week, let's finish it off.

335

00:21:51,000 --> 00:21:52,000

Okay.

336

00:21:53,000 --> 00:22:01,000

Almost since the invention of alcohol, people have been drinking too much and then finding for one reason or another that they needed to get sober quickly.

337

00:22:01,000 --> 00:22:04,000

And they have tried a myriad of techniques.

338

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

Techniques like drinking a big cup of black coffee.

339

00:22:08,000 --> 00:22:10,000

Vigorous exercise.

340

00:22:10,000 --> 00:22:13,000

It's also supposed to work.

341

00:22:13,000 --> 00:22:16,000

Dunk in your face in some ice water.

342

00:22:16,000 --> 00:22:19,000

That's also supposed to work.

343

00:22:19,000 --> 00:22:26,000

Also, your friends might be inclined to smack you in the face to sober you up.

344

00:22:26,000 --> 00:22:28,000

Of course, it all begins at the bar.

345

00:22:28,000 --> 00:22:31,000

And although we're going to test every one of these, we've got to get drunk first.

346

00:22:31,000 --> 00:22:34,000

Buster, set me up.

347

00:22:34,000 --> 00:22:38,000

So the boys fall back off the wagon.

348

00:22:38,000 --> 00:22:42,000

So you in town for a long time or are you here for the convention?

349

00:22:42,000 --> 00:22:44,000

I'm not here to shut up.

350

00:22:44,000 --> 00:22:46,000

Leave me alone.

351

00:22:46,000 --> 00:22:48,000

There's those people skills hard at work.

352

00:22:48,000 --> 00:22:51,000

And that's just the first shot of five.

353

00:22:51,000 --> 00:22:59,000

Realizing that things might turn ugly, the producers got Adam to pre-record the plan.

354

00:22:59,000 --> 00:23:06,000

Because this whole story hinges on whether or not we are more or less sober, the researchers have found us the perfect test to determine that.

355

00:23:06,000 --> 00:23:11,000

This is a hand-eye coordination test that's very similar to one developed for astronauts.

356

00:23:11,000 --> 00:23:18,000

It simply involves standing at arms length from the screen with weights on your arm and tracing this gray line.

357

00:23:18,000 --> 00:23:27,000

We are scored on both accuracy, how many times our line leaves the gray line, and for how long, and speed, how long it takes to make the whole journey.

358

00:23:27,000 --> 00:23:29,000

We've got a number of these.

359

00:23:29,000 --> 00:23:33,000

They're all different, but they're all the same length and involve the same number of turns.

360

00:23:33,000 --> 00:23:40,000

Jamie and I will each take one of these tests before trying the sobering up technique and take another one after trying the sobering up technique.

361

00:23:40,000 --> 00:23:45,000

And we will each act as each other's controls, swapping out between techniques.

362

00:23:45,000 --> 00:23:47,000

That's the Rovea.

363

00:23:47,000 --> 00:23:49,000

That's the Rovea.

364

00:23:49,000 --> 00:23:54,000

Tori and Grant have checked off the first part of the Pocha myth.

365

00:23:54,000 --> 00:23:59,000

A bamboo arrow with a gunpowder engine can fly 500 yards.

366

00:23:59,000 --> 00:24:04,000

Part two of the test is to see if the arrows were double-deadly.

367

00:24:04,000 --> 00:24:09,000

A warhead filled with more gunpowder was meant to explode on impact.

368

00:24:09,000 --> 00:24:13,000

But will it do more than just singe the skin?

369

00:24:13,000 --> 00:24:15,000

Only one way to find out.

370

00:24:15,000 --> 00:24:18,000

Tori prepares a leg of pork.

371

00:24:18,000 --> 00:24:21,000

Oh, you filthy little pig.

372

00:24:21,000 --> 00:24:25,000

Grant inserts the fuse and hopefully we're making bacon.

373

00:24:25,000 --> 00:24:28,000

This is tissue damage test on pork.

374

00:24:28,000 --> 00:24:31,000

In three, two, one.

375

00:24:35,000 --> 00:24:39,000

Oh, wow, that's good.

376

00:24:45,000 --> 00:24:50,000

Wow, look at that. More burning of flesh.

377

00:24:50,000 --> 00:24:54,000

All right, but as far as making it a mortal wound that explodes inside you.

378

00:24:54,000 --> 00:24:58,000

Yeah, the arrow itself is probably going to do more damage than the explosion.

379

00:24:59,000 --> 00:25:05,000

But we're testing for deadly injury, so it's worth rewrapping the warhead

380

00:25:05,000 --> 00:25:08,000

to push all that explosive energy forwards.

381

00:25:08,000 --> 00:25:13,000

That's a larger exploding arrow.

382

00:25:13,000 --> 00:25:17,000

I think the boys really were hoping for some sort of gore and mess,

383

00:25:17,000 --> 00:25:21,000

but what really happened is the energy took the path of least resistance.

384

00:25:21,000 --> 00:25:24,000

In three, two, one.

385

00:25:28,000 --> 00:25:33,000

Wow, look at how much damage that did.

386

00:25:33,000 --> 00:25:37,000

That's a little more what you were looking for.

387

00:25:37,000 --> 00:25:40,000

And exactly what they were hoping for.

388

00:25:40,000 --> 00:25:44,000

This is the same amount of black powder as a test before.

389

00:25:44,000 --> 00:25:47,000

The only difference is how we contained it.

390

00:25:47,000 --> 00:25:53,000

Now, before we had a thin paper tube, the tube blew out and all the energy was being released.

391

00:25:53,000 --> 00:25:59,000

In this test, we sealed both ends of the container and had a small fuse going in.

392

00:25:59,000 --> 00:26:05,000

So all that energy that was being lost built up, built up, built up, and boom, big wound.

393

00:26:05,000 --> 00:26:09,000

That's two thirds of the legend confirmed.

394

00:26:09,000 --> 00:26:17,000

The arrows can fly 500 yards and they can cause serious additional damage when they explode on impact.

395

00:26:17,000 --> 00:26:21,000

To test part three, whether 200 arrows really could fire together,

396

00:26:21,000 --> 00:26:25,000

they need to build their own replica huacha.

397

00:26:25,000 --> 00:26:27,000

It's going to be easier when it's got wheels on it.

398

00:26:27,000 --> 00:26:31,000

You can only use wooden bamboo, the ancient materials that they would have had.

399

00:26:31,000 --> 00:26:34,000

Basically, it's an ancient rocket launcher.

400

00:26:34,000 --> 00:26:42,000

The literal translation is fire attack car, but I prefer saying huacha.

401

00:26:42,000 --> 00:26:44,000

Tori gets stuck into the carpentry.

402

00:26:44,000 --> 00:26:47,000

Tori's exceeded all expectations,

403

00:26:47,000 --> 00:26:51,000

building a near-perfect huacha based on nothing more than photos.

404

00:26:51,000 --> 00:26:56,000

He adds a splash of timber stain and some old, tiny wheels.

405

00:26:56,000 --> 00:27:02,000

And the wheels also act as an angle finder so you can find the best angle for your trajectory.

406

00:27:02,000 --> 00:27:04,000

This is going to be awesome.

407

00:27:04,000 --> 00:27:07,000

Grant's army does not stand a chance.

408

00:27:07,000 --> 00:27:08,000

Still to come.

409

00:27:08,000 --> 00:27:09,000

This is scary.

410

00:27:09,000 --> 00:27:14,000

Adam and Jamie are forced to question the wisdom of testing while drinking.

411

00:27:14,000 --> 00:27:16,000

Oh!

412

00:27:16,000 --> 00:27:17,000

Ah!

413

00:27:17,000 --> 00:27:18,000

Oh!

414

00:27:26,000 --> 00:27:33,000

Adam and Jamie are all set to test four mythical ways to sober up fast.

415

00:27:33,000 --> 00:27:34,000

Uh-oh.

416

00:27:34,000 --> 00:27:38,000

So far, all they've done is drink themselves stupid.

417

00:27:38,000 --> 00:27:39,000

Well, stupider.

418

00:27:39,000 --> 00:27:43,000

Coffee, ice water, you name it.

419

00:27:43,000 --> 00:27:47,000

There are things that people try to try and sober up.

420

00:27:47,000 --> 00:27:52,000

We're going to test that and see whether I can actually function better than I can now

421

00:27:52,000 --> 00:27:55,000

because obviously I'm not doing too well.

422

00:27:55,000 --> 00:28:00,000

This NASA inspired test is the modern version of walking a straight line.

423

00:28:00,000 --> 00:28:05,000

First off, our crash test drunk straps weights to his riding wrist,

424

00:28:05,000 --> 00:28:10,000

then signs his name at arm's length.

425

00:28:10,000 --> 00:28:12,000

Your name is Jamie or Johnny?

426

00:28:12,000 --> 00:28:13,000

Okay.

427

00:28:13,000 --> 00:28:15,000

When you hit the begin.

428

00:28:15,000 --> 00:28:19,000

Jamie tries tracing a thin gray line.

429

00:28:19,000 --> 00:28:22,000

This test is judged on accuracy and speed.

430

00:28:22,000 --> 00:28:26,000

I should point out that each of these tests is different,

431

00:28:26,000 --> 00:28:29,000

yet it includes the same amount of right-hand turns, left-hand turns,

432

00:28:29,000 --> 00:28:32,000

and curves and overall distance.

433

00:28:32,000 --> 00:28:33,000

Shut up.

434

00:28:33,000 --> 00:28:35,000

What happened over here?

435

00:28:35,000 --> 00:28:37,000

Did you cough or something?

436

00:28:37,000 --> 00:28:39,000

43 seconds.

437

00:28:39,000 --> 00:28:45,000

Now it's Adam's turn to sign on, then post a score that reflects his hand-eye coordination.

438

00:28:52,000 --> 00:28:53,000

What is that?

439

00:28:53,000 --> 00:28:54,000

42.

440

00:28:54,000 --> 00:28:57,000

42? Is that exactly the same time as you?

441

00:28:57,000 --> 00:28:58,000

Yeah.

442

00:28:58,000 --> 00:29:04,000

While Adam stays pleasantly pickled, Jamie tries the first detoxifier.

443

00:29:04,000 --> 00:29:05,000

That is black coffee.

444

00:29:05,000 --> 00:29:07,000

What are you doing?

445

00:29:07,000 --> 00:29:09,000

I'm the control.

446

00:29:09,000 --> 00:29:10,000

See?

447

00:29:10,000 --> 00:29:12,000

I don't think you're very much under control.

448

00:29:12,000 --> 00:29:13,000

I'm not under control.

449

00:29:13,000 --> 00:29:15,000

I am the control.

450

00:29:15,000 --> 00:29:18,000

You drink that whole cup of coffee, we wait five minutes,

451

00:29:18,000 --> 00:29:24,000

and then we test you cognitively and breathalyzerly again

452

00:29:24,000 --> 00:29:26,000

to see if there's any stark improvement,

453

00:29:26,000 --> 00:29:30,000

and then I do the same two tests to see if there's difference in the improvement.

454

00:29:30,000 --> 00:29:36,000

The very idea that people always say is black coffee will sober him up.

455

00:29:36,000 --> 00:29:40,000

And thus, we've got to test it just the way it's set.

456

00:29:40,000 --> 00:29:43,000

It's the only way it sinks into people.

457

00:29:43,000 --> 00:29:45,000

You sound like you're drunk.

458

00:29:45,000 --> 00:29:48,000

In fact, I am.

459

00:29:48,000 --> 00:29:51,000

But how drunk is Jamie after the coffee?

460

00:29:51,000 --> 00:29:54,000

His cursive shows signs of improvement,

461

00:29:54,000 --> 00:29:58,000

and his trace test looks quick and steady whenever you're ready.

462

00:30:06,000 --> 00:30:08,000

Rapidly improving.

463

00:30:08,000 --> 00:30:13,000

I don't know what to make of that, but I don't feel like crunching any data while I'm drunk.

464

00:30:13,000 --> 00:30:14,000

Okay.

465

00:30:14,000 --> 00:30:17,000

And it's all about the data.

466

00:30:17,000 --> 00:30:18,000

Oh!

467

00:30:18,000 --> 00:30:24,000

Adam, who also blew .07, completes his non-coffee control test.

468

00:30:24,000 --> 00:30:26,000

32!

469

00:30:26,000 --> 00:30:29,000

So it's back to the bar.

470

00:30:29,000 --> 00:30:31,000

Adam treats himself to a few cups of joe,

471

00:30:31,000 --> 00:30:35,000

so he and Jamie are back on a kind of even keel.

472

00:30:35,000 --> 00:30:38,000

Here's mud in your eye.

473

00:30:40,000 --> 00:30:41,000

Oh, this is vile.

474

00:30:41,000 --> 00:30:44,000

Now for a much-needed spurt of spirits.

475

00:30:44,000 --> 00:30:50,000

On the assumption that the average adult male of our size processes metabolizes,

476

00:30:50,000 --> 00:30:53,000

as you might say, one drink per hour.

477

00:30:53,000 --> 00:30:56,000

We are having a maintenance drink right now.

478

00:30:56,000 --> 00:31:00,000

It's about now we'd normally warn you about excessive drinking,

479

00:31:00,000 --> 00:31:04,000

but those two miserable mugs tell the story.

480

00:31:04,000 --> 00:31:05,000

That's blouse.

481

00:31:05,000 --> 00:31:09,000

Technique number two for sobering up is vigorous exercise.

482

00:31:09,000 --> 00:31:11,000

At Adam's, the guinea pig.

483

00:31:11,000 --> 00:31:15,000

It's all a numbers game, and here's a few more to consider.

484

00:31:15,000 --> 00:31:20,000

Adam has to run this treadmill for five minutes at six and a half miles per hour.

485

00:31:20,000 --> 00:31:21,000

Scary.

486

00:31:21,000 --> 00:31:24,000

His blood alcohol is .09.

487

00:31:24,000 --> 00:31:26,000

Wow!

488

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

I'm going to have to concentrate on this.

489

00:31:31,000 --> 00:31:35,000

Adam's hung a green screen for inspiration,

490

00:31:35,000 --> 00:31:39,000

but then realizes it won't work because he can't see it.

491

00:31:39,000 --> 00:31:42,000

Some decisions really are best made sober.

492

00:31:42,000 --> 00:31:44,000

One minute.

493

00:31:44,000 --> 00:31:47,000

Oh my God, I'm going to die.

494

00:31:47,000 --> 00:31:50,000

Two minutes!

495

00:31:50,000 --> 00:31:52,000

Screw that!

496

00:31:52,000 --> 00:31:55,000

You're not even sweaty yet. What's the problem?

497

00:31:55,000 --> 00:31:58,000

I don't know if I'm closer to being sober,

498

00:31:58,000 --> 00:32:00,000

but I'm certainly closer to being dead.

499

00:32:00,000 --> 00:32:02,000

The smart money's on dead.

500

00:32:02,000 --> 00:32:05,000

Even Jamie has his drunken depths.

501

00:32:05,000 --> 00:32:07,000

Look, we picked a treadmill because it's compact.

502

00:32:07,000 --> 00:32:09,000

It makes it easy for us to film this thing.

503

00:32:09,000 --> 00:32:11,000

But now that I'm looking at it,

504

00:32:11,000 --> 00:32:16,000

I remember that it takes a fair amount of coordination just to stay on the damn thing.

505

00:32:16,000 --> 00:32:18,000

And Adam's drunk.

506

00:32:18,000 --> 00:32:19,000

What can I say?

507

00:32:19,000 --> 00:32:22,000

Even soused, the man's a prophet.

508

00:32:22,000 --> 00:32:24,000

Oh!

509

00:32:24,000 --> 00:32:26,000

Ah!

510

00:32:26,000 --> 00:32:30,000

Okay, I'm totally cool.

511

00:32:30,000 --> 00:32:34,000

Now, here's two advantages to being drunk as a skunk.

512

00:32:34,000 --> 00:32:37,000

One, he won't feel the pain till tomorrow.

513

00:32:37,000 --> 00:32:40,000

And two, Adam's judgment is so impaired,

514

00:32:40,000 --> 00:32:42,000

he gets back on the darn thing.

515

00:32:42,000 --> 00:32:44,000

I didn't break any bones.

516

00:32:44,000 --> 00:32:47,000

Ten seconds.

517

00:32:47,000 --> 00:32:49,000

Eight.

518

00:32:50,000 --> 00:32:52,000

They might watch this.

519

00:32:52,000 --> 00:32:54,000

Five.

520

00:32:54,000 --> 00:32:56,000

Three. Two. One.

521

00:32:56,000 --> 00:32:57,000

You're done.

522

00:32:57,000 --> 00:33:01,000

The good news for Adam's mom is that he's still breathing heavily.

523

00:33:01,000 --> 00:33:03,000

There's a lot of competition,

524

00:33:03,000 --> 00:33:06,000

but that might be the worst thing I've ever had to do on the show.

525

00:33:08,000 --> 00:33:15,000

Next up, the sober truth revealed as Adam takes a slap for science.

526

00:33:16,000 --> 00:33:21,000

Then a grand explosion not seen anywhere for more than half a millennium.

527

00:33:21,000 --> 00:33:23,000

One grand!

528

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

There comes a time when no one wants to be drunk,

529

00:33:36,000 --> 00:33:41,000

so Adam and Jamie take the four-step plan to get sober in a hurry.

530

00:33:41,000 --> 00:33:45,000

So far, they've tried black coffee and vigorous exercise.

531

00:33:45,000 --> 00:33:48,000

And now they're down to two mythical cures

532

00:33:48,000 --> 00:33:51,000

that should at least be mercifully brief.

533

00:33:51,000 --> 00:33:55,000

The first is a face-freezing, dunk-in-ice water.

534

00:33:55,000 --> 00:34:00,000

Adam's the control, so Jamie gets his eyebrows iced.

535

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

I think within the pantheon of sobering up techniques,

536

00:34:03,000 --> 00:34:06,000

cold water is in the shock-to-the-system category.

537

00:34:06,000 --> 00:34:08,000

I guess just the same way it can,

538

00:34:08,000 --> 00:34:10,000

oh, wake you up in the morning,

539

00:34:10,000 --> 00:34:12,000

it's supposed to snap you out of your drunkenness.

540

00:34:12,000 --> 00:34:15,000

Both the boys have blown .08,

541

00:34:15,000 --> 00:34:18,000

but it still takes guts to take the plunge.

542

00:34:18,000 --> 00:34:19,000

Oh, God.

543

00:34:21,000 --> 00:34:23,000

Take it, take it, take it!

544

00:34:23,000 --> 00:34:25,000

That's it! Yeah!

545

00:34:27,000 --> 00:34:30,000

Jamie's either dead or just enjoying himself.

546

00:34:30,000 --> 00:34:32,000

Wow, look at him.

547

00:34:32,000 --> 00:34:33,000

He's like a polar bear.

548

00:34:33,000 --> 00:34:35,000

He's like an aquatic mammal.

549

00:34:35,000 --> 00:34:36,000

You ready?

550

00:34:36,000 --> 00:34:38,000

It feels kind of good, actually.

551

00:34:40,000 --> 00:34:41,000

There you go.

552

00:34:41,000 --> 00:34:43,000

I thought it was going to be painful, but...

553

00:34:43,000 --> 00:34:45,000

I kind of liked it.

554

00:34:49,000 --> 00:34:53,000

As always, the boys run a post-cure test to collect the data.

555

00:34:57,000 --> 00:34:58,000

23 seconds.

556

00:34:59,000 --> 00:35:02,000

Now for the fastest and nastiest myth of all.

557

00:35:02,000 --> 00:35:06,000

It's a simple technique that always seems to work in the movies.

558

00:35:06,000 --> 00:35:08,000

When I was thinking about sobering up techniques,

559

00:35:08,000 --> 00:35:10,000

I noticed in the movies, whenever someone's passed out drunk,

560

00:35:10,000 --> 00:35:11,000

somebody else goes,

561

00:35:11,000 --> 00:35:13,000

come on, man, wake up.

562

00:35:13,000 --> 00:35:17,000

Adam's feeling no pain, but that's about to change.

563

00:35:17,000 --> 00:35:21,000

Just remember, this is going to hurt you a lot more than it'll hurt me.

564

00:35:21,000 --> 00:35:23,000

Ha, ha, ha, okay.

565

00:35:27,000 --> 00:35:31,000

Oh, holy crap!

566

00:35:32,000 --> 00:35:35,000

Oh, ho, ho, ho, ho, ho!

567

00:35:35,000 --> 00:35:37,000

There's a good-sized slap there.

568

00:35:38,000 --> 00:35:39,000

Let's look at it again.

569

00:35:40,000 --> 00:35:41,000

Well, he did ask for it.

570

00:35:41,000 --> 00:35:42,000

Here it comes.

571

00:35:42,000 --> 00:35:43,000

Oh, crap.

572

00:35:43,000 --> 00:35:47,000

Oh, my God!

573

00:35:48,000 --> 00:35:51,000

My hope, oh my God!

574

00:35:52,000 --> 00:35:54,000

It's like your whole head is rubber.

575

00:35:55,000 --> 00:35:58,000

That's the funniest thing I've ever seen.

576

00:35:58,000 --> 00:36:05,000

For the last time, the boys blow the bag and trace the graph.

577

00:36:05,000 --> 00:36:10,680

Twenty-one seconds.

578

00:36:10,680 --> 00:36:15,720

They're far too drunk to know what worked and what didn't, but the stats they've gathered

579

00:36:15,720 --> 00:36:19,480

will tell the story.

580

00:36:19,480 --> 00:36:20,760

Sobering up techniques.

581

00:36:20,760 --> 00:36:21,760

This looks pretty slick.

582

00:36:21,760 --> 00:36:23,440

Is it going to help us wrap it up?

583

00:36:23,440 --> 00:36:24,760

In fact, it will.

584

00:36:24,760 --> 00:36:26,360

Let me walk you through it.

585

00:36:26,360 --> 00:36:28,640

This is you pre-coffee.

586

00:36:28,640 --> 00:36:31,920

Then you drank three cups of coffee and your score improved.

587

00:36:31,920 --> 00:36:35,920

However, I was the control and my score improved pretty much at the exact same rate.

588

00:36:35,920 --> 00:36:39,040

So I'd say coffee is busted.

589

00:36:39,040 --> 00:36:42,160

Now here is me pre-exercise.

590

00:36:42,160 --> 00:36:43,840

Here is me post-exercise.

591

00:36:43,840 --> 00:36:45,840

That's a pretty radical improvement.

592

00:36:45,840 --> 00:36:49,200

But I state about the same, so that means it's plausible, right?

593

00:36:49,200 --> 00:36:50,200

I totally agree.

594

00:36:50,200 --> 00:36:51,200

Plausible it is.

595

00:36:51,200 --> 00:36:54,120

Now, you were the one that dug your head in a bucket of ice water.

596

00:36:54,120 --> 00:36:55,120

Here is you before.

597

00:36:55,120 --> 00:36:57,400

Here is you after.

598

00:36:57,400 --> 00:36:59,040

Little lack of improvement.

599

00:36:59,040 --> 00:37:00,240

Mine was about the same.

600

00:37:00,240 --> 00:37:01,720

I say ice water.

601

00:37:01,720 --> 00:37:03,480

It's totally busted.

602

00:37:03,480 --> 00:37:05,040

What about the slap?

603

00:37:05,040 --> 00:37:06,040

My favorite.

604

00:37:06,040 --> 00:37:07,540

Okay.

605

00:37:07,540 --> 00:37:09,240

Here is me pre-slap.

606

00:37:09,240 --> 00:37:10,520

Here is me post-slap.

607

00:37:10,520 --> 00:37:13,600

I think that's a pretty undeniable radical improvement.

608

00:37:13,600 --> 00:37:14,600

You helped me out a lot.

609

00:37:14,600 --> 00:37:15,600

I'd say this one's plausible.

610

00:37:15,600 --> 00:37:18,280

I'll have to remember that.

611

00:37:18,280 --> 00:37:22,600

The best part is all of these results are totally backed up by the breathalyzer data

612

00:37:22,600 --> 00:37:24,640

we got as well.

613

00:37:24,640 --> 00:37:26,320

I guess that does wrap it up.

614

00:37:26,320 --> 00:37:27,320

Totally.

615

00:37:27,320 --> 00:37:35,760

No more drinking for us.

616

00:37:35,760 --> 00:37:39,800

All famous conflicts have an equally famous battlefield.

617

00:37:39,800 --> 00:37:44,760

Gettysburg, Guadalcanal, and in this case, the Ticard Quarry.

618

00:37:44,760 --> 00:37:45,760

This is it.

619

00:37:45,760 --> 00:37:46,760

Ticard Agreance.

620

00:37:46,760 --> 00:37:51,320

Do they have any idea what we're going to do today?

621

00:37:51,320 --> 00:37:55,600

No.

622

00:37:55,600 --> 00:38:01,480

No one doubts the existence of this medieval Korean arrow launcher, but many doubt its

623

00:38:01,480 --> 00:38:02,980

capabilities.

624

00:38:02,980 --> 00:38:11,480

We've surprised ourselves by proving these rocket arrows could fly 500 yards.

625

00:38:11,480 --> 00:38:17,200

Then explode on impact.

626

00:38:17,200 --> 00:38:22,360

Now to see if they can all launch together to devastate Brant's grunts.

627

00:38:22,360 --> 00:38:23,360

Drafted.

628

00:38:23,360 --> 00:38:24,360

Drafted.

629

00:38:24,360 --> 00:38:26,360

Good thing you got a light infantry.

630

00:38:26,360 --> 00:38:29,120

Oh, how long you been saving that one?

631

00:38:29,120 --> 00:38:30,400

Not long enough.

632

00:38:30,400 --> 00:38:33,800

Now all 200 arrows need to be charged.

633

00:38:33,800 --> 00:38:35,400

And it's safety first.

634

00:38:35,400 --> 00:38:38,360

We're starting to build our rockets and attaching our explosive heads.

635

00:38:38,360 --> 00:38:41,280

But just like Zambelli's, we're separating our stations.

636

00:38:41,280 --> 00:38:45,960

So if one of us goes up, we don't take all the rest out with them.

637

00:38:45,960 --> 00:38:49,560

Corey and I will be adding the black powder and sealing up the warheads.

638

00:38:49,560 --> 00:38:54,840

And we'll pass these off to Cary, who will be putting the rockets in their final tubes

639

00:38:54,840 --> 00:38:56,800

and attaching them to the arrows.

640

00:38:56,800 --> 00:39:00,520

I've been making fireworks as I was a little kid, 30 years.

641

00:39:00,520 --> 00:39:02,840

I never had a problem.

642

00:39:02,840 --> 00:39:07,480

When the arrows are finished, the star of the show is coaxed from the trailer.

643

00:39:07,480 --> 00:39:09,480

Watch out.

644

00:39:09,480 --> 00:39:12,480

There you go.

645

00:39:12,480 --> 00:39:14,880

It's free.

646

00:39:14,880 --> 00:39:18,480

It's rolling into position.

647

00:39:18,480 --> 00:39:23,360

Tori sights the machine on level ground, and he's covered all the angles.

648

00:39:23,360 --> 00:39:24,680

All right.

649

00:39:24,680 --> 00:39:27,960

And this is a 50 degree trajectory.

650

00:39:27,960 --> 00:39:28,960

All right.

651

00:39:28,960 --> 00:39:30,960

Well, armor's going to be right over there.

652

00:39:30,960 --> 00:39:31,960

All right.

653

00:39:31,960 --> 00:39:36,000

Let's measure out 500 yards and set up your army.

654

00:39:36,000 --> 00:39:41,040

Grant's army is just 50 strong, staked out in a loose skirmish formation.

655

00:39:41,400 --> 00:39:44,040

It comes to recruiting foam people.

656

00:39:44,040 --> 00:39:50,120

They're not that bright, so it's easy to convince them to stand out there in the field.

657

00:39:50,120 --> 00:39:53,120

You ready to load the watcher?

658

00:39:53,120 --> 00:39:55,120

I'm getting excited.

659

00:39:55,120 --> 00:39:58,120

I must say I'm getting a little enthused myself.

660

00:39:58,120 --> 00:40:00,120

All 200 tubes are loaded.

661

00:40:00,120 --> 00:40:03,280

Something's going to happen.

662

00:40:03,280 --> 00:40:06,400

And they know they'll only get one shot at this.

663

00:40:06,960 --> 00:40:13,000

OK, so all the individual arrows are now fused, and the idea is that we group them together

664

00:40:13,000 --> 00:40:16,680

and just keep grouping them together, grouping them together, and telling the end we have

665

00:40:16,680 --> 00:40:20,480

one final fuse that we light and then run away.

666

00:40:20,480 --> 00:40:21,480

All right, buddy.

667

00:40:21,480 --> 00:40:22,480

Let's do this.

668

00:40:22,480 --> 00:40:23,480

Get it.

669

00:40:23,480 --> 00:40:27,920

Grant's alleys forth to light the master fuse.

670

00:40:27,920 --> 00:40:30,920

Quick, your army is attacking.

671

00:40:30,920 --> 00:40:32,920

Run, Grant.

672

00:40:32,920 --> 00:40:34,920

And Toddles back to safety.

673

00:40:34,920 --> 00:40:36,920

It's going.

674

00:40:36,920 --> 00:40:38,920

We got a little bit of time here.

675

00:40:38,920 --> 00:40:43,920

They know something's bound to happen, but will these arrows all take off together?

676

00:40:43,920 --> 00:40:45,920

Another 30 seconds.

677

00:40:45,920 --> 00:40:47,920

You can see multiple fuses going.

678

00:40:47,920 --> 00:40:50,920

Or will the watcher just blow itself to pieces?

679

00:40:55,920 --> 00:40:59,920

The tension builds as the fuse burns down.

680

00:41:00,920 --> 00:41:06,920

No one knows just when, or even if, the last part of this myth will catch fire.

681

00:41:06,920 --> 00:41:08,920

Something's happening.

682

00:41:08,920 --> 00:41:09,920

Something's happening.

683

00:41:09,920 --> 00:41:11,920

They'll light each other.

684

00:41:23,920 --> 00:41:26,920

It's the launch of a lifetime.

685

00:41:26,920 --> 00:41:32,920

A spectacle not seen by man nor beast in 500 years.

686

00:41:32,920 --> 00:41:36,920

And every arrow but one took flight.

687

00:41:38,920 --> 00:41:39,920

That was fantastic.

688

00:41:39,920 --> 00:41:44,920

Just seeing all the rockets come out of the watch at once, beautiful thing.

689

00:41:44,920 --> 00:41:47,920

Seeing that would be terrifying.

690

00:41:47,920 --> 00:41:49,920

Absolutely terrifying.

691

00:41:52,920 --> 00:41:53,920

Oh, hey, look.

692

00:41:53,920 --> 00:41:55,920

That's the one that went short.

693

00:41:55,920 --> 00:41:58,920

It's an awesome enough sight side on.

694

00:41:58,920 --> 00:42:01,920

Half a dozen arrows drop short and the army's still upright.

695

00:42:01,920 --> 00:42:05,920

But this myth is far from busted.

696

00:42:05,920 --> 00:42:07,920

Well, the army's still standing.

697

00:42:07,920 --> 00:42:08,920

Yeah, you know what?

698

00:42:08,920 --> 00:42:10,920

There's not a lot of arrows in this area.

699

00:42:10,920 --> 00:42:11,920

Where'd they go?

700

00:42:11,920 --> 00:42:12,920

I don't know.

701

00:42:12,920 --> 00:42:14,920

They're around here somewhere.

702

00:42:14,920 --> 00:42:16,920

They've all grouped right over here.

703

00:42:16,920 --> 00:42:17,920

Oh, wow.

704

00:42:17,920 --> 00:42:19,920

That's a great grouping, actually.

705

00:42:19,920 --> 00:42:20,920

That's incredible.

706

00:42:20,920 --> 00:42:21,920

Like, they were pretty consistent.

707

00:42:21,920 --> 00:42:23,920

Oh, they're definitely army over here.

708

00:42:23,920 --> 00:42:24,920

We only had 50 soldiers.

709

00:42:24,920 --> 00:42:29,920

Imagine if we had like 3,000, 30,000, 300,000.

710

00:42:29,920 --> 00:42:31,920

Harry's right.

711

00:42:31,920 --> 00:42:34,920

The troops wouldn't be so few or so scattered.

712

00:42:34,920 --> 00:42:38,920

So this rocket attack would be devastating.

713

00:42:39,920 --> 00:42:40,920

All right.

714

00:42:40,920 --> 00:42:41,920

So, watch out.

715

00:42:41,920 --> 00:42:42,920

Confirmed?

716

00:42:42,920 --> 00:42:43,920

Confirmed.

717

00:42:43,920 --> 00:42:45,920

They all left and they exploded.

718

00:42:45,920 --> 00:42:46,920

Absolutely confirmed.

719

00:42:46,920 --> 00:42:47,920

All right.

720

00:42:47,920 --> 00:42:48,920

That was a good one.

721

00:42:48,920 --> 00:42:49,920

Good one, man.

722

00:42:56,920 --> 00:42:58,920

The watch out worked on many levels,

723

00:42:58,920 --> 00:43:00,920

but most of all, it was frightening.

724

00:43:00,920 --> 00:43:04,920

All of those arrows flying into the air on fire and exploding

725

00:43:04,920 --> 00:43:07,920

would definitely make me turn around and run.

726

00:43:09,920 --> 00:43:10,920

That was a success.

727

00:43:10,920 --> 00:43:13,920

I mean, we got all the arrows to fire off except for one,

728

00:43:13,920 --> 00:43:15,920

and they all went the distance and they all exploded.

729

00:43:15,920 --> 00:43:17,920

Okay, maybe we didn't take out the army.

730

00:43:17,920 --> 00:43:19,920

That's just because our aim was off.

731

00:43:19,920 --> 00:43:22,920

But if we had been aimed right, we would have killed this army.

732

00:43:22,920 --> 00:43:25,920

We knew it existed, but no one knew for sure

733

00:43:25,920 --> 00:43:28,920

what the watch was capable of.

734

00:43:28,920 --> 00:43:30,920

And now we do.