

1

00:00:00,000 --> 00:00:17,600

On this episode of Mythbusters, Adam and Jamie go blind and then get blind drunk.

2

00:00:17,600 --> 00:00:19,360

Be a con drunk, over.

3

00:00:19,360 --> 00:00:25,200

As they test an intoxicating car-caper from Hollywood.

4

00:00:25,200 --> 00:00:28,320

Can a blind person really drive without crashing?

5

00:00:28,320 --> 00:00:32,560

You've got an actual blind person driving the car.

6

00:00:32,560 --> 00:00:39,200

Then Carrie, Tori and Grant take a swing and a myth at a golf trilogy.

7

00:00:39,200 --> 00:00:43,680

Can your shoes turn you into a lightning magnet?

8

00:00:43,680 --> 00:00:48,320

Is a tree really an impenetrable obstacle?

9

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

And Alakadyshak?

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00:00:49,320 --> 00:00:52,360

Okay, you want to play a rap little golfer?

11

00:00:52,360 --> 00:00:55,880

Can an underground explosion really sink a pot?

12

00:00:55,880 --> 00:00:57,880

Boom, boom.

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00:01:01,880 --> 00:01:03,880

Who are the Mythbusters?

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00:01:03,880 --> 00:01:05,880

Adam Savage.

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00:01:05,880 --> 00:01:08,880

I can't believe that this is my job.

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00:01:08,880 --> 00:01:09,880

And Jamie Heidemann.

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00:01:09,880 --> 00:01:11,880

That's kind of intense.

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00:01:11,880 --> 00:01:16,880

Between them more than 30 years of special effects experience.

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00:01:16,880 --> 00:01:17,880

Oh!

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00:01:17,880 --> 00:01:18,880

Joining them.

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00:01:18,880 --> 00:01:20,880

We killed the ninja.

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00:01:20,880 --> 00:01:21,880

Tori Bellachy.

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00:01:21,880 --> 00:01:22,880

Alright, what's the plan?

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00:01:22,880 --> 00:01:23,880

Grant Imahara.

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00:01:23,880 --> 00:01:25,880

We're going to be meat waffles, man.

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00:01:25,880 --> 00:01:26,880

And Carrie Barra.

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00:01:26,880 --> 00:01:28,880

All explosives and electricity.

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00:01:28,880 --> 00:01:31,880

They don't just tell the Myths.

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00:01:31,880 --> 00:01:33,880

They put them to the test.

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00:01:42,880 --> 00:01:47,880

Fasten your seatbelts because blind driving peels out first.

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00:01:54,880 --> 00:01:56,880

What are you doing?

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00:01:56,880 --> 00:01:58,880

I'm driving blind.

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00:01:58,880 --> 00:01:59,880

Why?

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00:01:59,880 --> 00:02:01,880

Because it's our next myth.

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00:02:01,880 --> 00:02:04,880

Oh, you mean like in the scent of a woman?

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00:02:04,880 --> 00:02:06,880

It's like you're freaking psyching.

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00:02:06,880 --> 00:02:07,880

That's awesome.

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00:02:07,880 --> 00:02:14,880

Yes, we're Al Pacino's character who is blind, is able to drive a sports car by being given instructions from his passenger.

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00:02:14,880 --> 00:02:15,880

That's what we're going to test.

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00:02:15,880 --> 00:02:16,880

Ho-ah!

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00:02:16,880 --> 00:02:24,880

Incentive of a woman, a blind driver takes a sports car for a high speed spin.

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00:02:24,880 --> 00:02:30,880

By responding to turn-by-turn instructions from his terrified, sighted passenger,

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00:02:30,880 --> 00:02:33,880

they pull off the seemingly impossible.

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00:02:33,880 --> 00:02:34,880

Here I go!

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00:02:34,880 --> 00:02:35,880

Here I go!

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00:02:35,880 --> 00:02:36,880

Wait!

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00:02:36,880 --> 00:02:37,880

Now!

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00:02:37,880 --> 00:02:40,880

But can such teamwork really work?

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00:02:40,880 --> 00:02:41,880

No.

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00:02:41,880 --> 00:02:44,880

Look at that!

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00:02:44,880 --> 00:02:47,880

Oh, sorry!

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00:02:47,880 --> 00:02:49,880

I assume you have a plan.

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00:02:49,880 --> 00:02:51,880

I do, and it's a pretty simple one.

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00:02:51,880 --> 00:02:56,880

I figure we need a blindfold, a car, and a closed course to drive on.

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00:02:56,880 --> 00:02:58,880

I'll put on the blindfold and go wherever you tell me.

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00:02:58,880 --> 00:03:00,880

And can we take turns?

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00:03:00,880 --> 00:03:01,880

Absolutely.

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00:03:01,880 --> 00:03:04,880

I think it's imperative that we both have a crack at it.

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00:03:04,880 --> 00:03:10,880

So let's get cracking to try to recreate this highly hazardous driving technique in the real world.

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00:03:10,880 --> 00:03:13,880

The guys are using a pedestrian-free zone.

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00:03:13,880 --> 00:03:20,880

The lovely people at the Alameda County Sheriff's Emergency Vehicle Operations Center have lent us their driving course.

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00:03:20,880 --> 00:03:23,880

It is a blank slate.

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00:03:23,880 --> 00:03:28,880

I'm going to set up a whole bunch of cones that will create our city streets for blind driving.

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00:03:28,880 --> 00:03:33,880

Jamie is going to play the blind driver first, so Adam sets up the course alone.

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00:03:33,880 --> 00:03:39,880

This means that the mustachioed maestro won't have the advantage of knowing its twists and turns.

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00:03:40,880 --> 00:03:45,880

In setting up the course for our blind driver, I've tried to add all the obstacles that we see in the movie.

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00:03:45,880 --> 00:03:49,880

So I'm starting out with a nice, long, get-your-bearings kind of straight away.

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00:03:49,880 --> 00:03:53,880

That also includes a sharp left-hand turn.

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00:03:53,880 --> 00:03:58,880

Right after that, I've got a second sharp left-hand turn.

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00:03:58,880 --> 00:04:03,880

And I've included an obstacle for Jamie to swerve around.

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00:04:03,880 --> 00:04:07,880

This ought to be all the challenges we need for our blind driver.

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00:04:08,880 --> 00:04:14,880

And that just leaves the car, which for this test comes complete with in-car cameras,

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00:04:14,880 --> 00:04:19,880

a driving instructor called Derek, and a crucial safety feature.

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00:04:19,880 --> 00:04:27,880

This car is specially rigged with control so that he can hit his own set of brakes and stop the car in case I get frisky on him.

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00:04:27,880 --> 00:04:35,880

With frisky Jamie blinded by science, where does he see the problem areas of the course being?

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00:04:35,880 --> 00:04:38,880

Obviously the straight bits are going to be the easiest ones.

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00:04:38,880 --> 00:04:44,880

The problem areas are going to be the turns, exactly how far I turn and when. That's going to be tricky.

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00:04:44,880 --> 00:04:46,880

You're feeling ready, champ?

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00:04:46,880 --> 00:04:48,880

Yeah, let's do it.

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00:04:48,880 --> 00:04:55,880

Just like in the movie, Jamie will be totally in the dark, relying solely on Adam's directions.

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00:04:55,880 --> 00:05:00,880

My role in this test, I am literally a backseat driver.

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00:05:00,880 --> 00:05:07,880

I will be giving him all the stimulus, hopefully, he needs to drive this course correctly, although I don't expect him to.

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00:05:07,880 --> 00:05:10,880

I foresee many, many knocked over cones.

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00:05:10,880 --> 00:05:13,880

Ooh-ha! It's time for ignition.

85

00:05:16,880 --> 00:05:21,880

Alright, Jamie, go forward. Just get your bearings a little bit to the left, a little bit to the left. That's good.

86

00:05:21,880 --> 00:05:26,880

Cruising at an easy pace down the straightaway, they come to their first bend in the road.

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00:05:27,880 --> 00:05:30,880

Okay, there's a turn coming up. To the left. Excellent.

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00:05:30,880 --> 00:05:33,880

Made it with no cones down.

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00:05:33,880 --> 00:05:36,880

Straighten it out, straighten it out. Okay, pick up the speed. Let's pick up the speed.

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00:05:36,880 --> 00:05:38,880

But not for long.

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00:05:38,880 --> 00:05:42,880

Keep going, keep going. To the right, to the right, to the right. Now hard to the left.

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00:05:42,880 --> 00:05:44,880

To the right, to the right, more to the right.

93

00:05:44,880 --> 00:05:48,880

Seeing their drive turns into a game of cone packman.

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00:05:48,880 --> 00:05:52,880

More to the right. Okay, to the left, to the left, hard to the left.

95

00:05:52,880 --> 00:05:56,880

And then to the right. Beautiful. Okay, stop, stop, stop.

96

00:05:56,880 --> 00:05:59,880

New navigator.

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00:05:59,880 --> 00:06:03,880

Managing the course took a very different turn to what they thought.

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00:06:03,880 --> 00:06:05,880

How did I do?

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00:06:05,880 --> 00:06:11,880

Well, I gotta say, together we swerved around the cardboard obstacle perfectly.

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00:06:11,880 --> 00:06:17,880

But it turns out the turns were easy. It was correcting for the straight driving that was more difficult.

101

00:06:17,880 --> 00:06:19,880

Right over there is the worst spot.

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00:06:19,880 --> 00:06:24,880

Like a couple of out of sync co-drivers, Adam blamed Jamie.

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00:06:24,880 --> 00:06:28,880

His ability to correct on the fly on the straightaway, it was pretty poor.

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00:06:28,880 --> 00:06:32,880

Even up to and including his ability to know left from right at times.

105

00:06:32,880 --> 00:06:34,880

And Jamie blamed Adam.

106

00:06:34,880 --> 00:06:38,880

You know, more and more and more is like, what, what, what.

107

00:06:38,880 --> 00:06:43,880

You know, it's easy to get confused or not do something enough or too little.

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00:06:43,880 --> 00:06:48,880

If the guys don't begin to work as one, they're finished, finished, finished.

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00:06:48,880 --> 00:06:50,880

Ha ha ha ha ha.

110

00:07:00,880 --> 00:07:02,880

So Grant, what's with the sweater? Did you retire?

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00:07:02,880 --> 00:07:07,880

No, I'm not retiring yet. I'm merely appropriately dressed for our next series of myths.

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00:07:07,880 --> 00:07:10,880

Is the next series of myths about fashion disasters?

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00:07:11,880 --> 00:07:19,880

No, with over 60 million golfers around the world, it's no surprise the website's been inundated with requests to do myths about golf.

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00:07:19,880 --> 00:07:22,880

The first one is that a tree is 90% air.

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00:07:22,880 --> 00:07:29,880

Yeah, I've heard that one. And a lot of golfers say if your ball gets stuck behind a tree, instead of shooting around the tree, it's better to shoot through it.

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00:07:29,880 --> 00:07:33,880

Because you have a 90% chance of getting through because it's 90% air.

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00:07:33,880 --> 00:07:38,880

Great. So all we need is a bucket of balls, some golf clubs, camp out behind a tree.

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00:07:38,880 --> 00:07:40,880

See how many we hit through.

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00:07:40,880 --> 00:07:42,880

Sounds good to me?

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00:07:42,880 --> 00:07:50,880

From a distance, a tree may look like a solid, impenetrable object, but up close, there's a huge amount of space between its leaves.

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00:07:50,880 --> 00:07:57,880

So huge that some golfers think you have a 90% chance of swinging clean through.

122

00:07:59,880 --> 00:08:06,880

To find out if this myth is all hot air, team T-OF travels to one of the most famous golf courses in the world.

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00:08:06,880 --> 00:08:09,880

Alright, let's do this.

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00:08:09,880 --> 00:08:12,880

I'm starting to feel a little underdressed.

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00:08:12,880 --> 00:08:15,880

Where better to come to the world famous Pebble Beach?

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00:08:15,880 --> 00:08:19,880

I mean this is where Jack Nicholas and Tiger Woods play, and now they're going to let us play?

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00:08:19,880 --> 00:08:28,880

Yeah, I'm not sure they've seen the show, but with a world-class golf course, check some top-rate golf outfits, check.

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00:08:28,880 --> 00:08:33,880

Now the team just needs a tree. And this should do.

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00:08:33,880 --> 00:08:38,880

You know, the tree that we picked, it's a very average tree, and it's the kind of tree that you would try to play through,

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00:08:38,880 --> 00:08:42,880

because when you look at it, you see that there is enough light, so you're thinking,

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00:08:42,880 --> 00:08:45,880

I could get through this and actually play through to the next hole.

132

00:08:45,880 --> 00:08:47,880

So what's the plan, Tiger?

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00:08:47,880 --> 00:08:55,880

So to begin our initial research into this myth, we're each going to hit 10 golf balls into the tree, and see if we can make it through.

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00:08:55,880 --> 00:09:00,880

And if nine of those 10 do sail through, it's myth confirmed.

135

00:09:00,880 --> 00:09:05,880

Having played golf since high school, Tari's going to tee off first.

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00:09:05,880 --> 00:09:09,880

That thing is, is I find myself in this situation quite often when I'm playing golf.

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00:09:09,880 --> 00:09:14,880

First shot went like a shot, straight through the foliage.

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00:09:14,880 --> 00:09:16,880

Look at that. Nice one.

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00:09:16,880 --> 00:09:19,880

See, normally I would have to shoot out into the fairway.

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00:09:19,880 --> 00:09:20,880

One for one.

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00:09:20,880 --> 00:09:21,880

I just cut the corner.

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00:09:21,880 --> 00:09:25,880

But shot two stops dead in its tracks.

143

00:09:25,880 --> 00:09:27,880

I'm going to have to say that one didn't make it to the tree.

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00:09:27,880 --> 00:09:34,880

So it's one apiece after two, and after a montage of the other eight balls, what's the final score?

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00:09:34,880 --> 00:09:38,880

So far the score is six made it through, two went wacky, and two came back at us.

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00:09:38,880 --> 00:09:42,880

In other words, for Tari, the tree was 60% air.

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00:09:42,880 --> 00:09:44,880

Can Kari do any better?

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00:09:44,880 --> 00:09:45,880

So you want to stand there?

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00:09:45,880 --> 00:09:46,880

No.

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00:09:46,880 --> 00:09:51,880

Kari quickly learns that in golf, no matter how bad your last shot was,

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00:09:52,880 --> 00:09:54,880

Oh, God.

152

00:09:54,880 --> 00:09:56,880

your worst is yet to come.

153

00:09:56,880 --> 00:09:59,880

No, no, no, no, no, no, no.

154

00:09:59,880 --> 00:10:05,880

Of Kari's 10, only one ball went towards the tree, and that was along the ground.

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00:10:05,880 --> 00:10:08,880

But she's still better than Grant.

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00:10:08,880 --> 00:10:10,880

You like one.

157

00:10:10,880 --> 00:10:12,880

Yeah, Grant.

158

00:10:12,880 --> 00:10:17,880

In golf speed, swinging and missing the ball is known as a whiff.

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00:10:18,880 --> 00:10:21,880

So is aim positively stinks?

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00:10:21,880 --> 00:10:23,880

Maybe you should take up tennis.

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00:10:25,880 --> 00:10:31,880

So far, our threesome has dug up plenty of dirt, but nearing a conclusion, they aim.

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00:10:31,880 --> 00:10:33,880

Okay, well, this was not very scientific.

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00:10:33,880 --> 00:10:36,880

Out of 30 balls, how do you even actually counted?

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00:10:36,880 --> 00:10:37,880

Yeah, not many.

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00:10:37,880 --> 00:10:40,880

You know, we're going to have to figure out a way to get these balls to go at a consistent speed,

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00:10:40,880 --> 00:10:44,880

and we're going to need to aim it at the tree, so that way we get a good test.

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00:10:44,880 --> 00:10:46,880

The team had better get a grip.

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00:10:46,880 --> 00:10:50,880

To solve this myth, they still have a fair way to go.

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00:10:50,880 --> 00:10:52,880

Let's try it again.

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00:10:57,880 --> 00:11:02,880

Buckle up, because Adam and Jamie are on a movie inspired collision course.

171

00:11:05,880 --> 00:11:10,880

Apparently, a few simple instructions and a blind person can drive with ease.

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00:11:11,880 --> 00:11:17,880

So far, on a closed track with Jamie steering blindfolded and Adam navigating,

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00:11:17,880 --> 00:11:19,880

Now, hard to the left.

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00:11:19,880 --> 00:11:21,880

It was a massive miscommunication.

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00:11:21,880 --> 00:11:24,880

Okay, to the left, to the left, hard to the left, and then to the right.

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00:11:24,880 --> 00:11:27,880

Okay, stop, stop, stop.

177

00:11:27,880 --> 00:11:32,880

Now, to swap places, driving gear on.

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00:11:32,880 --> 00:11:35,880

Okay, go ahead, Adam.

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00:11:35,880 --> 00:11:37,880

They start out good.

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00:11:37,880 --> 00:11:40,880

Doing good, doing good.

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00:11:40,880 --> 00:11:43,880

But it's not long before things go bad.

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00:11:43,880 --> 00:11:46,880

Break hard left, too hard.

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00:11:46,880 --> 00:11:47,880

Straighten it out.

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00:11:47,880 --> 00:11:51,880

If they were on a real street, Adam would now be up over the sidewalk.

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00:11:51,880 --> 00:11:54,880

Hard left, straighten it out.

186

00:11:54,880 --> 00:11:55,880

More.

187

00:11:55,880 --> 00:11:57,880

And into the foyer of an office building.

188

00:11:57,880 --> 00:11:59,880

Right, right, right, right.

189

00:11:59,880 --> 00:12:03,880

Left, okay, stop.

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00:12:03,880 --> 00:12:05,880

That was great.

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00:12:05,880 --> 00:12:06,880

Was it?

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00:12:06,880 --> 00:12:09,880

Man, you nailed that.

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00:12:09,880 --> 00:12:12,880

Every single one of them.

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00:12:12,880 --> 00:12:14,880

Apparently, I did great.

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00:12:14,880 --> 00:12:17,880

And by great, I mean, I drove appallingly.

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00:12:17,880 --> 00:12:20,880

Just about like what I'd expect a blind person to drive like.

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00:12:20,880 --> 00:12:23,880

Once again, Jamie believes Adam is at fault.

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00:12:23,880 --> 00:12:28,880

Adam did pretty much exactly what you would think he would do as a blind driver.

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00:12:28,880 --> 00:12:30,880

In other words, he was erratic.

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00:12:30,880 --> 00:12:32,880

Subtle controls.

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00:12:32,880 --> 00:12:37,880

Adam doesn't drive that way normally and he doesn't drive that way blind.

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00:12:37,880 --> 00:12:39,880

And Adam thinks Jamie is.

203

00:12:39,880 --> 00:12:41,880

Honestly, I feel like he gave up a little too quickly.

204

00:12:41,880 --> 00:12:44,880

Right, right, right.

205

00:12:44,880 --> 00:12:47,880

I could tell halfway through that he was kind of just like,

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00:12:47,880 --> 00:12:53,880

left, right, you know.

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00:12:53,880 --> 00:12:58,880

The blind driver theory is looking like it's on the road to being busted.

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00:12:58,880 --> 00:13:00,880

But the guys did confirm one thing.

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00:13:00,880 --> 00:13:03,880

There's no I in team.

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00:13:03,880 --> 00:13:04,880

This is all about teamwork.

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00:13:04,880 --> 00:13:06,880

It's not about the driver or the navigator.

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00:13:06,880 --> 00:13:08,880

It's about how both of them are working together.

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00:13:08,880 --> 00:13:11,880

They really have to get in sync for this to work.

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00:13:11,880 --> 00:13:14,880

So shall we take it to the max?

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00:13:14,880 --> 00:13:15,880

We really need a blind guy.

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00:13:15,880 --> 00:13:16,880

I totally agree.

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00:13:16,880 --> 00:13:20,880

No one will believe this is plausible until we get an actual blind guy in the driver's seat.

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00:13:21,880 --> 00:13:30,880

One of the most frustrating situations you can get in the sometimes infuriating game of golf

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00:13:30,880 --> 00:13:33,880

is getting stuck behind a tree.

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00:13:33,880 --> 00:13:40,880

To swing you out of the jungle, the team has been testing the myth that when blocked by a tree,

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00:13:40,880 --> 00:13:43,880

you should try to shoot right through it.

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00:13:43,880 --> 00:13:45,880

I'm going to have to say that one didn't make it through the tree.

223

00:13:45,880 --> 00:13:50,880

The theory is that although a tree looks solid, 90% of its volume is air,

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00:13:50,880 --> 00:13:54,880

meaning a ball will sail through 90% of the time.

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00:13:54,880 --> 00:14:01,880

But so far their golfing skills have been so bad that testing the myth has been impossible.

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00:14:01,880 --> 00:14:04,880

That means you're going to need a plan B.

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00:14:04,880 --> 00:14:06,880

I know, it's pretty obvious.

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00:14:06,880 --> 00:14:09,880

In order to test this properly, we're going to have to take ourselves out of the equation,

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00:14:09,880 --> 00:14:10,880

which means only one thing.

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00:14:10,880 --> 00:14:11,880

We're getting Tiger Woods?

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00:14:11,880 --> 00:14:12,880

No, better.

232

00:14:12,880 --> 00:14:14,880

We're going to build a robot.

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00:14:15,880 --> 00:14:20,880

We're going to build a machine that fires balls at the same speed and angle as a professional golfer.

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00:14:20,880 --> 00:14:23,880

Then we should have a really big sample size, like 100 balls,

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00:14:23,880 --> 00:14:26,880

and see if they go through the tree 90% of the time.

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00:14:26,880 --> 00:14:28,880

What is it with you and these robots?

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00:14:28,880 --> 00:14:29,880

Is that your default button?

238

00:14:29,880 --> 00:14:32,880

Yeah, it's like with control, the control out the lead.

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00:14:33,880 --> 00:14:37,880

Grant's mantra in life is, if in doubt, build a robot.

240

00:14:37,880 --> 00:14:43,880

And he's got no doubt that his robo-golfer will give the best of the business a run for their money.

241

00:14:44,880 --> 00:14:51,880

Not even Tiger Woods could shoot a golf ball in roughly the same area 100 times in a row,

242

00:14:51,880 --> 00:14:53,880

200 times in a row to test this.

243

00:14:53,880 --> 00:14:57,880

So I'm going to build a golf ball shooting cannon.

244

00:14:57,880 --> 00:15:04,880

Using compressed air, Grant hopes to shoot balls through the barrel at the same velocity as a proficient human golfer.

245

00:15:04,880 --> 00:15:07,880

And that's something they figured out earlier.

246

00:15:08,880 --> 00:15:15,880

Before they left Pebble Beach, the team met pro golfer Laird Small to precisely analyze his swing.

247

00:15:15,880 --> 00:15:16,880

How you doing, Tori?

248

00:15:16,880 --> 00:15:19,880

Tori, welcome to Spyglass Hill in Pebble Beach. Glad you're here.

249

00:15:19,880 --> 00:15:26,880

Using the high-speed camera, they determined that when ball leaves club, it does so at around 150 miles an hour.

250

00:15:26,880 --> 00:15:29,880

So that's what Grant's aiming for.

251

00:15:29,880 --> 00:15:31,880

It makes it look so easy.

252

00:15:31,880 --> 00:15:33,880

Huh? He is the proud.

253

00:15:34,880 --> 00:15:40,880

We don't want it to be superhuman to give it some advantage at getting through the tree.

254

00:15:40,880 --> 00:15:42,880

Time to test its oomph.

255

00:15:42,880 --> 00:15:45,880

Dialed in at 40 psi.

256

00:15:45,880 --> 00:15:49,880

Here we go. In three, two, one.

257

00:15:49,880 --> 00:15:55,880

And what do you know? The ball shot out at 150 miles per hour, just like the real deal.

258

00:15:55,880 --> 00:15:58,880

Now we know how to make foam cylinders.

259

00:15:59,880 --> 00:16:07,880

Earned with their machine at a serious amount of balls, the team heads back to the course for the 90% air invetational.

260

00:16:07,880 --> 00:16:09,880

Think that is our tree.

261

00:16:09,880 --> 00:16:19,880

So the myth is that a tree is 90% air, which theoretically gives you a 9 out of 10 chance of shooting through it and making it through.

262

00:16:19,880 --> 00:16:26,880

That's the theory. And to test it out, they're going to start with a tree-free control, like all good science golfers do.

263

00:16:28,880 --> 00:16:31,880

We want to see how the tree affects the distance of the ball.

264

00:16:31,880 --> 00:16:37,880

So we're going to shoot 100 balls without a tree in the way and 100 balls with the tree in the way and see how far they go.

265

00:16:37,880 --> 00:16:38,880

Fire it, Will.

266

00:16:38,880 --> 00:16:40,880

Three, two, one.

267

00:16:40,880 --> 00:16:42,880

Perfect.

268

00:16:42,880 --> 00:16:44,880

You're on the green.

269

00:16:44,880 --> 00:16:54,880

Not missing a single shot, Grant's machine skips years of aggravation trying to perfect the complexities of the backswing, downswing and follow-through.

270

00:16:54,880 --> 00:16:57,880

Last ball, 100.

271

00:16:57,880 --> 00:17:00,880

All right. Your cannon's shooting like a real golfer.

272

00:17:00,880 --> 00:17:04,880

A little hook to the left, a little slice to the right.

273

00:17:04,880 --> 00:17:12,880

Their control test is complete. Without the tree impeding their flight, most of the yellow balls landed 500 feet away.

274

00:17:12,880 --> 00:17:18,880

Now to see how far they go with the tree in the way. This time, they're using pink balls.

275

00:17:18,880 --> 00:17:29,880

So for this myth, which is that the tree is 90% air, what we'll be looking for is 90 of the pink balls will be at the same distance as the yellow balls.

276

00:17:29,880 --> 00:17:39,880

But there's a twist. Having assessed his competition from the sidelines, Tari is also going to pit himself against Grant's robot using blue balls.

277

00:17:39,880 --> 00:17:41,880

So what are his chances?

278

00:17:41,880 --> 00:17:45,880

Come on, it's Grant's robot. It's got consistency.

279

00:17:45,880 --> 00:17:51,880

He could make that exact. I mean, I don't really think that Tari has a chance.

280

00:17:51,880 --> 00:17:54,880

There's only one way to find out.

281

00:17:54,880 --> 00:17:58,880

Here we go. In three, two, one.

282

00:17:58,880 --> 00:18:07,880

It's man against machine in the ultimate golfing challenge. Each are firing 100 balls into the tree.

283

00:18:07,880 --> 00:18:13,880

But how many will sail clean through? Will it be the 90% that this myth needs?

284

00:18:13,880 --> 00:18:16,880

That's 100 balls. Test complete.

285

00:18:16,880 --> 00:18:22,880

Now to tally up blue one. Tari, the machine, or the tree.

286

00:18:22,880 --> 00:18:31,880

By counting the pink and blue balls that made it into the same range as the yellow, they can calculate the percentage that were unimpeded by the tree.

287

00:18:31,880 --> 00:18:35,880

27. 27 balls made it through the tree.

288

00:18:35,880 --> 00:18:36,880

So 27%?

289

00:18:36,880 --> 00:18:38,880

24% on pink.

290

00:18:38,880 --> 00:18:45,880

So about, well, that's about a quarter of the balls made it through. That's not 90% air right there.

291

00:18:45,880 --> 00:18:46,880

No, it's not.

292

00:18:46,880 --> 00:18:54,880

With such a low percentage of balls making it through the tree, for proponents of the myth, Tari's got some bad news.

293

00:18:54,880 --> 00:19:01,880

Now the myth says that the tree's 90% air. That should be 90% of the balls. That was only 25% of the balls. That means this myth is busted.

294

00:19:01,880 --> 00:19:04,880

I hate to say it, but I beat the machine.

295

00:19:04,880 --> 00:19:05,880

He did.

296

00:19:05,880 --> 00:19:06,880

You beat the machine.

297

00:19:06,880 --> 00:19:07,880

You beat the machine.

298

00:19:07,880 --> 00:19:09,880

You're better than a robot.

299

00:19:09,880 --> 00:19:10,880

Yeah.

300

00:19:10,880 --> 00:19:11,880

Woo!

301

00:19:12,880 --> 00:19:20,880

Music

302

00:19:20,880 --> 00:19:32,880

Adam and Jamie are testing the myth that a blind person can drive a vehicle without crashing if they're told where to go by a sighted person.

303

00:19:32,880 --> 00:19:34,880

All you need is a system.

304

00:19:34,880 --> 00:19:35,880

A system, huh?

305

00:19:35,880 --> 00:19:40,880

Look, you grab me by the waist. If you want me to turn right, you squeeze on the right.

306

00:19:40,880 --> 00:19:41,880

You're doing good.

307

00:19:41,880 --> 00:19:47,880

Having already taken this theory for a test drive, they set a new standard in reckless driving.

308

00:19:47,880 --> 00:19:50,880

Now they're shifting it into high gear.

309

00:19:50,880 --> 00:19:55,880

We realize that's not enough. We need an actual blind person behind the wheel of the car.

310

00:19:55,880 --> 00:20:00,880

And more than that, we need to raise the stakes. The close course isn't good enough. We need city streets.

311

00:20:00,880 --> 00:20:06,880

Safely away from inhabited neighborhoods, the site for their trial is an abandoned military base.

312

00:20:06,880 --> 00:20:12,880

If this once thriving community feels spine-chillingly familiar, it is.

313

00:20:12,880 --> 00:20:20,880

Carri-Torian Grant used the derelict streets of Cypress Nulls to test the cost of road rage.

314

00:20:20,880 --> 00:20:24,880

Where did those rats go? Where did you go?

315

00:20:25,880 --> 00:20:32,880

This location is amazing. They are residential streets, and they're totally abandoned.

316

00:20:32,880 --> 00:20:37,880

And I gotta tell you, it's creepy as heck. It really is post-apocalyptic.

317

00:20:37,880 --> 00:20:42,880

And I'm expecting a zombie horde to come crawling out of a basement at any moment.

318

00:20:42,880 --> 00:20:45,880

Nice view. Just like home.

319

00:20:45,880 --> 00:20:52,880

Not only have they found the ideal location, but also the ideal driver, Jerry.

320

00:20:52,880 --> 00:20:56,880

Jamie, howdy. Glad to meet you. Hey, man. Good to meet you.

321

00:20:56,880 --> 00:21:01,880

So, you're here to do a little driving for us, I understand. I certainly am.

322

00:21:01,880 --> 00:21:08,880

Well, there are different kinds of blindness. There's legally blind as per the definition, and then there's can't see a darn thing blind.

323

00:21:08,880 --> 00:21:15,880

What are you? No light, no nothing. That's perfect. Are you ready to drive? Who ya?

324

00:21:15,880 --> 00:21:23,880

Jerry is one gutsy guy, and he needs to be, because his route through the burbs is full of twists and turns.

325

00:21:23,880 --> 00:21:36,880

We start out with a nice straightaway, easing into a little bit of a curve, then a hard right-hand turn, and an obstacle just like yesterday.

326

00:21:36,880 --> 00:21:44,880

But we're not done. One more right-hand turn before we get home, and we've gotta finish off by parking in the driveway.

327

00:21:44,880 --> 00:21:51,880

That's our course. Of course, with a real blind man at the wheel, Jamie's getting nervous.

328

00:21:51,880 --> 00:22:00,880

We've got two issues to deal with. One is the actual navigating, and the other is whether he's gonna go crazy with a car.

329

00:22:00,880 --> 00:22:06,880

Will our driving duo make it safely home, or end up in someone's front yard?

330

00:22:06,880 --> 00:22:12,880

It's like the blind leading the ball now, isn't it? Yeah, very funny. You have fun now.

331

00:22:15,880 --> 00:22:29,880

Up next, we have a real shocker of a myth. That's right. This one involves thunderbolts and lightning. Very, very frightening.

332

00:22:29,880 --> 00:22:38,880

Now, the myth is that if you're playing a round of golf in a thunderstorm, and you're wearing metal cleats, you're more likely to get hit by lightning.

333

00:22:38,880 --> 00:22:46,880

We know playing golf in a thunderstorm is seriously dangerous, but this myth is not about holding a club in the air or a golf umbrella.

334

00:22:46,880 --> 00:22:53,880

That's obviously a bad idea. This is about whether the metal cleats in the bottom of your shoes actually attract the lightning.

335

00:22:53,880 --> 00:23:02,880

This myth isn't out of thin air. Golfers are sometimes struck by lightning, because it's attracted to their highly conductive metal clubs.

336

00:23:02,880 --> 00:23:08,880

But could metal cleats on their shoes also be enough to attract a bolt from the blue?

337

00:23:08,880 --> 00:23:15,880

Alright, well this myth is a little problematic. First of all, not many lightning storms this time of year, and secondly, it's just too dangerous to film in one.

338

00:23:15,880 --> 00:23:20,880

Yeah, and the chances are the camera crew would be the first to get hit, and we don't want that to happen, do we?

339

00:23:20,880 --> 00:23:28,880

Agreed. So to keep all of us safe, let's build two ballistic gel dummies with the same electrical resistance as a person.

340

00:23:28,880 --> 00:23:33,880

We'll put regular plastic cleats on one, and metal cleats on the other, and see which gets hit by lightning.

341

00:23:33,880 --> 00:23:39,880

Alright, well for the lightning we should go to an electric company that has a test facility. This way we have a controlled environment.

342

00:23:39,880 --> 00:23:43,880

We can put our ballistic golfers wherever we want them, and then we can see if we can fry them with one of these lightning bolts.

343

00:23:43,880 --> 00:23:44,880

Good ideas.

344

00:23:44,880 --> 00:23:51,880

To explore this high voltage theory, Tori gets started by modifying a pair of mannequins.

345

00:23:51,880 --> 00:23:58,880

Ballistic gel golfers will lighten and be attracted to your golf cleats.

346

00:23:58,880 --> 00:24:10,880

For the later tests, it's crucial that these golfer stand-ins have the same electrical properties as the human body, and filling them with a special ballistic gel should do just that.

347

00:24:10,880 --> 00:24:15,880

The ballistic gel is going to give us the same kind of resistance to electricity as the human body.

348

00:24:16,880 --> 00:24:17,880

Okay.

349

00:24:18,880 --> 00:24:20,880

He's a unicorn.

350

00:24:20,880 --> 00:24:24,880

When they're set, they head out to the links in search of lightning.

351

00:24:30,880 --> 00:24:35,880

The PG&E Technology Center is one of the MythBusters' favorite playing grounds.

352

00:24:35,880 --> 00:24:41,880

But even though from the outside it looks like a giant golf ball, there's not a fair way to be found.

353

00:24:42,880 --> 00:24:45,880

First up, Kari gets the lightning low down.

354

00:24:45,880 --> 00:24:47,880

How does this simulate lightning?

355

00:24:47,880 --> 00:24:56,880

This uses a generator back in the shed back there and creates very, very high voltage electricity that comes through a ball over there, and it goes to a ground.

356

00:24:56,880 --> 00:25:01,880

Because lightning is no laughing matter, here's an important safety message.

357

00:25:01,880 --> 00:25:10,880

Even our crews who are specially trained to work in extremely hazardous conditions know that when the lightning is coming, they need to seek shelter.

358

00:25:10,880 --> 00:25:13,880

They need to seek shelter immediately, and everybody else should do the same thing.

359

00:25:13,880 --> 00:25:18,880

This is our lightning source, so we need to set up our golfers equidistant from this source.

360

00:25:18,880 --> 00:25:23,880

And then we dress our golfer dummies, one with plastic cleats, one with metal cleats, and see where the lightning strikes.

361

00:25:23,880 --> 00:25:25,880

This is going to be fun.

362

00:25:25,880 --> 00:25:29,880

First, they need to lay out some groundwork.

363

00:25:29,880 --> 00:25:32,880

So what we're trying to do here is simulate a golf course.

364

00:25:32,880 --> 00:25:34,880

That's why we have this.

365

00:25:34,880 --> 00:25:37,880

It's a copper plane, and we have a clamp.

366

00:25:37,880 --> 00:25:43,880

We're going to connect the clamp to the copper plane, and that's going to be connected to the ground of the facility.

367

00:25:43,880 --> 00:25:49,880

And that will give us that electrical earth simulation that we need to conduct this test.

368

00:25:49,880 --> 00:25:56,880

Then, because there's nothing like the feel of fresh green turf underfoot, they lay out some sod.

369

00:25:56,880 --> 00:25:58,880

It's a golf course.

370

00:25:58,880 --> 00:25:59,880

Sweet.

371

00:25:59,880 --> 00:26:00,880

Next.

372

00:26:00,880 --> 00:26:03,880

You guys got any power around here?

373

00:26:03,880 --> 00:26:16,880

Tori removes the tops of the dummies' heads and soles of their feet, so when the lightning strikes, it will have a clear path to the ground.

374

00:26:16,880 --> 00:26:19,880

Time to get kitted up in appropriate attire.

375

00:26:19,880 --> 00:26:23,880

We want to give this myth the best possible chance of working.

376

00:26:23,880 --> 00:26:28,880

So we have found some leather-soled shoes with metal cleats.

377

00:26:28,880 --> 00:26:30,880

It's going to give us the best conduction path.

378

00:26:30,880 --> 00:26:36,880

Now, to be a really good comparison, we have our modern rubber-soled shoes with plastic cleats.

379

00:26:36,880 --> 00:26:41,880

And all laced up, they're ready to hit the green.

380

00:26:41,880 --> 00:26:42,880

Wow.

381

00:26:42,880 --> 00:26:44,880

That's a well-attired golfer.

382

00:26:44,880 --> 00:26:46,880

Yeah, you know I've never seen a golfer with just golf shoes?

383

00:26:46,880 --> 00:26:48,880

That would freak me out.

384

00:26:48,880 --> 00:26:53,880

Finally, they place both golfers the exact same distance from the lightning source.

385

00:26:53,880 --> 00:26:56,880

This guy is at 46.5.

386

00:26:56,880 --> 00:26:57,880

Yeah!

387

00:26:57,880 --> 00:26:58,880

Great.

388

00:26:58,880 --> 00:27:00,880

Perfect is good enough for me.

389

00:27:00,880 --> 00:27:02,880

Oh no, it's starting to rain.

390

00:27:02,880 --> 00:27:05,880

Who will be struck out of the game first?

391

00:27:28,880 --> 00:27:31,880

Well, it's time to put that theory to the test.

392

00:27:31,880 --> 00:27:36,880

Well, Jamie is just about to get in the back seat while he lets Jerry control everything to do with the car.

393

00:27:36,880 --> 00:27:40,880

Jerry is 100% blind and that means the stakes here are pretty high.

394

00:27:40,880 --> 00:27:45,880

And if I had to make a prediction, I think there might be some curbing on this trip.

395

00:27:45,880 --> 00:27:48,880

Well, with those words of wisdom, it's go time.

396

00:27:48,880 --> 00:27:51,880

Jamie and Jerry, are you guys ready to go?

397

00:27:51,880 --> 00:27:52,880

Ready to rock and roll.

398

00:27:52,880 --> 00:27:54,880

Yeah, we're all set.

399

00:27:54,880 --> 00:27:58,880

Okay, we'll wait for you on your mark. Go ahead.

400

00:27:58,880 --> 00:28:01,880

I just let the break go and see if we'll start to roll.

401

00:28:01,880 --> 00:28:03,880

Cool, that's perfect.

402

00:28:03,880 --> 00:28:07,880

Jamie's strategy is to start off nice and easy.

403

00:28:07,880 --> 00:28:09,880

That's perfect.

404

00:28:09,880 --> 00:28:13,880

I think the trick here is going to be to work incrementally.

405

00:28:13,880 --> 00:28:16,880

We're going to start slow and gradually build up from there.

406

00:28:16,880 --> 00:28:18,880

Ready?

407

00:28:18,880 --> 00:28:19,880

Perfect.

408

00:28:19,880 --> 00:28:23,880

We've got an actual blind person.

409

00:28:24,880 --> 00:28:26,880

Driving a car.

410

00:28:26,880 --> 00:28:29,880

You don't see that every day.

411

00:28:29,880 --> 00:28:36,880

Obeying all the rules of the road other than having a completely blind person at the wheel, they come to a 90 degree turn.

412

00:28:36,880 --> 00:28:40,880

Okay, cool. A hard right.

413

00:28:40,880 --> 00:28:43,880

Straighten it out.

414

00:28:43,880 --> 00:28:48,880

And with that nailed, Jamie utters the words the insurance company doesn't want to hear.

415

00:28:48,880 --> 00:28:50,880

Give it a little gas.

416

00:28:50,880 --> 00:28:53,880

It's right. Jamie gets Jerry to put his foot down.

417

00:28:53,880 --> 00:28:56,880

More gas. That looks good. Okay.

418

00:28:56,880 --> 00:28:58,880

It's a good speed.

419

00:28:58,880 --> 00:29:01,880

He's going about 20 miles an hour now.

420

00:29:01,880 --> 00:29:03,880

This is for real, man.

421

00:29:03,880 --> 00:29:04,880

One more gas.

422

00:29:04,880 --> 00:29:10,880

Traveling over the limit in a residential area, Jerry is officially speeding.

423

00:29:10,880 --> 00:29:13,880

35 miles an hour.

424

00:29:13,880 --> 00:29:19,880

He even clears the obstacle without breaking a sweat.

425

00:29:19,880 --> 00:29:23,880

Jerry's final test requirement could be the toughest.

426

00:29:23,880 --> 00:29:25,880

Now comes the last obstacle.

427

00:29:25,880 --> 00:29:26,880

Parking.

428

00:29:26,880 --> 00:29:27,880

Start to break.

429

00:29:27,880 --> 00:29:30,880

Now turn hard left.

430

00:29:30,880 --> 00:29:35,880

But it looks like Jerry will successfully avoid traffic school.

431

00:29:35,880 --> 00:29:37,880

And stop.

432

00:29:37,880 --> 00:29:39,880

You made it.

433

00:29:42,880 --> 00:29:46,880

No injuries, no impacts, no nothing.

434

00:29:46,880 --> 00:29:48,880

That was fantastic.

435

00:29:48,880 --> 00:29:50,880

Jerry, shake my hand.

436

00:29:50,880 --> 00:29:52,880

You are a natural.

437

00:29:52,880 --> 00:29:54,880

Yo.

438

00:29:54,880 --> 00:29:55,880

Had a good guide.

439

00:29:55,880 --> 00:30:02,880

You know, I think that Jerry was better than either of us because he has no preconceptions about how he wants to drive.

440

00:30:02,880 --> 00:30:07,880

Yeah, he followed my instructions exactly and it was a piece of cake.

441

00:30:07,880 --> 00:30:10,880

Jerry's ability to drive is astounding.

442

00:30:10,880 --> 00:30:15,880

I wouldn't have known he was blind watching him drive around our course.

443

00:30:15,880 --> 00:30:17,880

That was amazing.

444

00:30:17,880 --> 00:30:20,880

What was the experience like from Jerry's perspective?

445

00:30:20,880 --> 00:30:23,880

I found it very easy to follow Jamie's instructions.

446

00:30:23,880 --> 00:30:24,880

Coming up to a stop.

447

00:30:24,880 --> 00:30:32,880

He was very calm, very deliberate, and it was easy to just meld into it and do what he told me.

448

00:30:32,880 --> 00:30:36,880

So where do the guys park this blind driving myth?

449

00:30:36,880 --> 00:30:41,880

Based on what I'm seeing at this point, the scene in the movie is totally plausible.

450

00:30:41,880 --> 00:30:46,880

With the one small caveat that this was something that we planned out.

451

00:30:46,880 --> 00:30:52,880

If you're doing it like in city traffic and impromptu, it might be a little different.

452

00:30:52,880 --> 00:30:58,880

But watch this space because there's a dangerous twist in the tail for this myth.

453

00:30:58,880 --> 00:31:03,880

Would Jerry be as in control if Jamie wasn't?

454

00:31:03,880 --> 00:31:04,880

Jerry, what do you say?

455

00:31:04,880 --> 00:31:07,880

You willing to let a drunk Jamie guide you while driving?

456

00:31:07,880 --> 00:31:11,880

Sure. As long as I get a shot at that bottle after we're all over.

457

00:31:11,880 --> 00:31:13,880

That's the spirit.

458

00:31:16,880 --> 00:31:22,880

In this Thunderdome, the team set up two ballistic dummies equidistant from a high-voltage source.

459

00:31:22,880 --> 00:31:28,880

The only difference is one is wearing shoes with metal cleats, the other plastic.

460

00:31:28,880 --> 00:31:30,880

So what are they looking for?

461

00:31:30,880 --> 00:31:36,880

To confirm this myth, we need to see a definite trend of lightning discharging into the dummy with the metal cleats.

462

00:31:37,880 --> 00:31:42,880

And with the dummies sitting pretty, it's time to unleash the lightning.

463

00:31:42,880 --> 00:31:50,880

Alright you guys, this is it. Ten strikes, got two identical dummies, one has metal cleats, the other has plastic.

464

00:31:50,880 --> 00:31:52,880

Alright, fire it up.

465

00:31:52,880 --> 00:32:00,880

One on plastic. Two on plastic. Two plastic, one metal.

466

00:32:00,880 --> 00:32:06,880

The guys are unleashing ten bolts from the blue and keeping a tally of who gets hit.

467

00:32:06,880 --> 00:32:10,880

And that will cleat golfer or his plastic-preferring counterpart.

468

00:32:10,880 --> 00:32:13,880

Two on the metal, four on the plastic.

469

00:32:13,880 --> 00:32:17,880

And after a shocking few minutes, the results are in.

470

00:32:17,880 --> 00:32:22,880

Six on the plastic, four on the metal.

471

00:32:22,880 --> 00:32:28,880

So for our first test, we had two identical ballistic gel dummies at equal distances from our high-voltage source.

472

00:32:28,880 --> 00:32:33,880

What we saw was a fairly equal distribution of lightning strikes between the two,

473

00:32:33,880 --> 00:32:37,880

which indicates that there's no difference having the metal cleats.

474

00:32:37,880 --> 00:32:41,880

So that means metal cleats do not attract lightning, this myth is busted.

475

00:32:41,880 --> 00:32:42,880

Busted, busted.

476

00:32:42,880 --> 00:32:46,880

But the team isn't finished with the lightning cleats theory just yet.

477

00:32:46,880 --> 00:32:50,880

Next test, we're going to load up our golfer with the metal cleats with more metal.

478

00:32:50,880 --> 00:32:55,880

We're going to have chains, watches, keys, change, whatever, and see if that attracts more lightning strikes.

479

00:32:56,880 --> 00:32:59,880

To make sure the metal makes contact with the ballistic gel,

480

00:32:59,880 --> 00:33:03,880

Tori drills holes in the dummies fiberglass shell.

481

00:33:03,880 --> 00:33:08,880

Will all the extra bling attract some extra zing?

482

00:33:08,880 --> 00:33:10,880

You take your retainer out?

483

00:33:10,880 --> 00:33:14,880

One in the metal! Two in the metal!

484

00:33:14,880 --> 00:33:20,880

Their punk rock golfer sustains consecutive hits, until...

485

00:33:20,880 --> 00:33:23,880

One to the left!

486

00:33:23,880 --> 00:33:27,880

This time, eight strikes went to the heavy metal golfer,

487

00:33:27,880 --> 00:33:31,880

but still two hit his plastic playing partner.

488

00:33:31,880 --> 00:33:34,880

I actually thought this one was heading towards confirmed,

489

00:33:34,880 --> 00:33:37,880

but then one of the strikes came down and hit the guy with the plastic cleats,

490

00:33:37,880 --> 00:33:41,880

which means this one is still busted.

491

00:33:41,880 --> 00:33:46,880

So in bad weather, wearing metal spikes won't increase the chance of lightning strikes.

492

00:33:46,880 --> 00:33:48,880

But what about holding a club?

493

00:33:48,880 --> 00:33:52,880

If you notice, during your backswing, you actually become a lightning rod.

494

00:33:52,880 --> 00:33:55,880

So what I'm going to do is attach this golf club to that golfer,

495

00:33:55,880 --> 00:33:58,880

and we're going to find out if you are crazy enough to play during a storm,

496

00:33:58,880 --> 00:34:00,880

what might happen.

497

00:34:06,880 --> 00:34:08,880

What a shocker!

498

00:34:08,880 --> 00:34:14,880

In less than a second, a single strike of lightning can heat the air to 60,000 degrees Fahrenheit.

499

00:34:14,880 --> 00:34:18,880

Our guy is literally melting under the pressure.

500

00:34:19,880 --> 00:34:24,880

Well, maybe that's why you're not supposed to play golf in a lightning storm.

501

00:34:24,880 --> 00:34:28,880

But you gotta head it to him. He never loses his grip.

502

00:34:41,880 --> 00:34:45,880

Okay, our last myth has to do with gophers, explosions, and putting.

503

00:34:45,880 --> 00:34:48,880

You're talking about the final scene in Caddyshack. I love that movie.

504

00:34:48,880 --> 00:34:53,880

Precisely the American classic. Let me set the scene for you. It's my favorite part.

505

00:34:53,880 --> 00:34:56,880

Okay, the greenskeeper is going mad trying to catch a gopher he just can't get,

506

00:34:56,880 --> 00:34:59,880

so he decides he's going to exterminate him with C4.

507

00:34:59,880 --> 00:35:04,880

He puts C4 down, each of the gopher holes, and gets ready to blow into smithereens.

508

00:35:04,880 --> 00:35:10,880

But before he pushes the button 50 yards away, there's a golfer trying to make the winning putt.

509

00:35:10,880 --> 00:35:14,880

He hits the ball, but it catches just on the edge of the cup.

510

00:35:14,880 --> 00:35:18,880

And then the groundskeeper sets off the explosions with big bursts of fire,

511

00:35:18,880 --> 00:35:21,880

destroys half the golf course, and sinks the winning putt.

512

00:35:21,880 --> 00:35:24,880

Alright, so we need to find out if C4 causes that much damage,

513

00:35:24,880 --> 00:35:28,880

and if it does, is the shock wave strong enough to knock the ball into the cup?

514

00:35:28,880 --> 00:35:29,880

Exactly.

515

00:35:29,880 --> 00:35:32,880

Okay, let's get some explosives and head back to Pebble Beach.

516

00:35:32,880 --> 00:35:35,880

You know what, actually, your golf swing already destroyed half of their golf course,

517

00:35:35,880 --> 00:35:39,880

so they're actually not letting us come back, so we're going to have to find another place to do the experiment.

518

00:35:39,880 --> 00:35:42,880

Sorry, man. Maybe learn how to play golf.

519

00:35:42,880 --> 00:35:47,880

It's a great golfer golf scene where you get two myths for the price of one.

520

00:35:47,880 --> 00:35:52,880

First, we'll see for a really explode into great balls of fire.

521

00:35:56,880 --> 00:36:02,880

And second, will the resulting shock wave be enough to knock a teetering ball into the hole?

522

00:36:03,880 --> 00:36:08,880

As a golf course substitute, the team has found a field perfect for their experiments.

523

00:36:09,880 --> 00:36:11,880

Here's our golf course.

524

00:36:11,880 --> 00:36:13,880

Not for long.

525

00:36:14,880 --> 00:36:15,880

Sweet.

526

00:36:15,880 --> 00:36:19,880

We're at Riversdale Ranch. It's a huge field. It kind of looks like a golf course.

527

00:36:19,880 --> 00:36:22,880

There's tons of gopher holes, and they've agreed to let us blow it up with C4.

528

00:36:22,880 --> 00:36:24,880

How great is that?

529

00:36:24,880 --> 00:36:25,880

Gopher hole.

530

00:36:25,880 --> 00:36:30,880

Sure enough, the ground is riddled with the telltale signs of gophers.

531

00:36:30,880 --> 00:36:32,880

Oh my God, this thing had so many gophers.

532

00:36:32,880 --> 00:36:34,880

This field is perfect.

533

00:36:34,880 --> 00:36:38,880

But don't worry, animal lovers, this is a gopher ghost town.

534

00:36:38,880 --> 00:36:41,880

This is an area where gophers have already been exterminated,

535

00:36:41,880 --> 00:36:45,880

which means there are no little creatures running around and we're not going to do any damage.

536

00:36:45,880 --> 00:36:48,880

This is just, you know, a little homemade gopher golf course.

537

00:36:48,880 --> 00:36:51,880

Before they explore a movie land.

538

00:36:51,880 --> 00:36:53,880

This is going to be a whole lot of fun, huh?

539

00:36:53,880 --> 00:37:01,880

As curious as broad-eyed rodents, the team wheels out a gadget used by real-life professional exterminators.

540

00:37:01,880 --> 00:37:05,880

Now, professional exterminators have a number of tools at their disposal.

541

00:37:05,880 --> 00:37:07,880

They have chemicals that they can use.

542

00:37:07,880 --> 00:37:09,880

They have traps.

543

00:37:09,880 --> 00:37:13,880

And then they have the Rodex 5000.

544

00:37:13,880 --> 00:37:17,880

Spraying an explosive mixture of oxygen and propane,

545

00:37:17,880 --> 00:37:22,880

the Rodex 5000 sends a shudder through gophers across the land.

546

00:37:22,880 --> 00:37:25,880

Okay, you want to play a rough little golfer?

547

00:37:25,880 --> 00:37:30,880

Tori inserts the nozzle of the rodent ridder at someone's former front door.

548

00:37:31,880 --> 00:37:35,880

But before they fire it up, Grant has a serious safety warning.

549

00:37:35,880 --> 00:37:37,880

It's good that we're all wearing pants.

550

00:37:37,880 --> 00:37:42,880

As they say, if the explosion comes back around you, it can blow the dirt right up your shorts.

551

00:37:42,880 --> 00:37:44,880

All right, stand back it is.

552

00:37:44,880 --> 00:37:46,880

All right, gassy up.

553

00:37:46,880 --> 00:37:51,880

The team carefully releases the combustible concoction into the burrow.

554

00:37:51,880 --> 00:37:53,880

Okay, you're at a minute.

555

00:37:53,880 --> 00:37:55,880

A lot of gas.

556

00:37:55,880 --> 00:38:01,880

And after letting it build up within the network of tunnels below, it's time for ignition.

557

00:38:01,880 --> 00:38:02,880

Okay, that's two.

558

00:38:02,880 --> 00:38:04,880

Valve closed.

559

00:38:04,880 --> 00:38:09,880

This is Golf Gopher Test commercial gopher exterminator in three, two, one.

560

00:38:12,880 --> 00:38:14,880

Wow!

561

00:38:14,880 --> 00:38:15,880

Yeah!

562

00:38:15,880 --> 00:38:16,880

Wow!

563

00:38:16,880 --> 00:38:18,880

Dude, look at how much damage we did.

564

00:38:18,880 --> 00:38:20,880

Look at it went all the way down.

565

00:38:20,880 --> 00:38:24,880

It pulled the whole tunnel. That's awesome.

566

00:38:25,880 --> 00:38:27,880

Unless you're a gopher.

567

00:38:27,880 --> 00:38:29,880

I know.

568

00:38:29,880 --> 00:38:31,880

But enough of real life.

569

00:38:31,880 --> 00:38:34,880

We've got two myths from the movie to bust.

570

00:38:34,880 --> 00:38:37,880

For this golf myth, we have two things to test.

571

00:38:37,880 --> 00:38:41,880

They come from the last scene in Caddyshack, which is an American icon, if you ask me.

572

00:38:41,880 --> 00:38:47,880

First of all, can C4 create the kind of explosions that they have happening in that last golf scene?

573

00:38:47,880 --> 00:38:54,880

And secondly, can the ground shake enough to drop that golf ball teetering on the edge of the hole into the hole?

574

00:38:55,880 --> 00:38:58,880

So, 50 yards, that one.

575

00:38:58,880 --> 00:38:59,880

Alright.

576

00:38:59,880 --> 00:39:07,880

From closely watching the movie, they've calculated that it was about 50 yards from the explosive's detonation point to the golf ball.

577

00:39:07,880 --> 00:39:08,880

50.

578

00:39:08,880 --> 00:39:09,880

Right.

579

00:39:09,880 --> 00:39:10,880

There.

580

00:39:12,880 --> 00:39:17,880

So they make a hole the same distance away and teeter a ball right on the lip.

581

00:39:17,880 --> 00:39:18,880

Nobody breathe.

582

00:39:18,880 --> 00:39:21,880

And that just leaves the explosives.

583

00:39:21,880 --> 00:39:23,880

Oh, look who's just blown in.

584

00:39:23,880 --> 00:39:25,880

Retired FBI agent Frank Doyle.

585

00:39:25,880 --> 00:39:27,880

Well, hello.

586

00:39:27,880 --> 00:39:28,880

How are you?

587

00:39:28,880 --> 00:39:29,880

Good.

588

00:39:29,880 --> 00:39:30,880

Did you bring us the good stuff?

589

00:39:30,880 --> 00:39:32,880

I brought the really good stuff for today.

590

00:39:32,880 --> 00:39:36,880

Channeling a reach the end of his tether green keeper.

591

00:39:36,880 --> 00:39:41,880

Frank delicately places balls of C4 inside a series of gopher holes.

592

00:39:41,880 --> 00:39:45,880

And he's placing so much that grants very confident.

593

00:39:45,880 --> 00:39:48,880

Seeing the amount of C4 that we have out in this field,

594

00:39:48,880 --> 00:39:52,880

I think it's probably a 50-50 chance of the ball not going in the cup,

595

00:39:52,880 --> 00:39:55,880

but actually flying over the cup and across the field.

596

00:39:55,880 --> 00:39:57,880

That's a lot of C4 out there.

597

00:39:57,880 --> 00:39:59,880

I'm expecting a big boom.

598

00:40:00,880 --> 00:40:02,880

But will it be a big fiery boom?

599

00:40:02,880 --> 00:40:04,880

And will it sink the putt?

600

00:40:04,880 --> 00:40:06,880

Fire in the hole!

601

00:40:06,880 --> 00:40:07,880

Fire in the hole!

602

00:40:07,880 --> 00:40:08,880

Here we go.

603

00:40:08,880 --> 00:40:12,880

In three, two, one.

604

00:40:16,880 --> 00:40:17,880

Oh my god!

605

00:40:18,880 --> 00:40:20,880

That was awesome!

606

00:40:23,880 --> 00:40:25,880

The boom sure was a blast,

607

00:40:25,880 --> 00:40:28,880

but part one of the myth is already up in smoke.

608

00:40:28,880 --> 00:40:33,880

The main difference between the explosion that we saw with real C4 and real gopher holes

609

00:40:33,880 --> 00:40:37,880

and what you see in the movie is an element of fire.

610

00:40:37,880 --> 00:40:41,880

And what we saw is just a blast of dirt going straight up.

611

00:40:41,880 --> 00:40:44,880

In other words, the movie fireball was a fake.

612

00:40:44,880 --> 00:40:46,880

But what about the blast's power?

613

00:40:46,880 --> 00:40:50,880

Well at Gopher Ground Zero, things are looking promising.

614

00:40:50,880 --> 00:40:53,880

Hey! Look at the size of these holes!

615

00:40:53,880 --> 00:40:58,880

I think this might be actually a very effective gopher extermination method.

616

00:40:58,880 --> 00:41:01,880

This is an effective golf course extermination method.

617

00:41:01,880 --> 00:41:03,880

Yeah, no kidding, man.

618

00:41:03,880 --> 00:41:07,880

It's created a gopher graveyard crater at the blast site.

619

00:41:07,880 --> 00:41:09,880

But what's happened on the green?

620

00:41:09,880 --> 00:41:11,880

Great explosion.

621

00:41:13,880 --> 00:41:15,880

Oh, it didn't go in the hole!

622

00:41:15,880 --> 00:41:16,880

That's not surprising.

623

00:41:16,880 --> 00:41:19,880

I mean, that was a cool explosion, but the shockwave wasn't enough to knock it in.

624

00:41:19,880 --> 00:41:21,880

I really thought it would!

625

00:41:21,880 --> 00:41:24,880

So where does that leave their caddyshack recreation?

626

00:41:24,880 --> 00:41:28,880

So that's negative on the golf ball, negative on the explosion.

627

00:41:28,880 --> 00:41:30,880

So this one's busted? Busted.

628

00:41:30,880 --> 00:41:35,880

But as in Hollywood, if at first you fail, then just fake it.

629

00:41:35,880 --> 00:41:38,880

Anyway, you look at this one, it's busted, but we're not done yet.

630

00:41:38,880 --> 00:41:42,880

We want to replicate the explosions that they had in caddyshack.

631

00:41:42,880 --> 00:41:45,880

And Frank has got something special for us.

632

00:41:46,880 --> 00:41:48,880

Real special!

633

00:41:48,880 --> 00:41:53,880

Yep, Frank has something guaranteed to get that Hollywood-inspired fireball.

634

00:41:53,880 --> 00:41:55,880

Gasoline.

635

00:41:55,880 --> 00:41:58,880

Those varmints aren't going to know who hit him.

636

00:41:58,880 --> 00:42:02,880

He places the containers in a line all the way along a burrow.

637

00:42:02,880 --> 00:42:06,880

And with the stage set, the team can't wait to be entertained.

638

00:42:07,880 --> 00:42:09,880

Da-da-da-da-da-da.

639

00:42:09,880 --> 00:42:12,880

Da-da-da-da-da, three, two, one, boom, boom!

640

00:42:17,880 --> 00:42:20,880

That's what you expect to see!

641

00:42:20,880 --> 00:42:23,880

At last they get their money's worth.

642

00:42:25,880 --> 00:42:28,880

So they may not have achieved what they set out to do,

643

00:42:28,880 --> 00:42:33,880

but just like in the movies, they've all learned a valuable lesson.

644

00:42:33,880 --> 00:42:36,880

You know what? We showed that this one is totally busted,

645

00:42:36,880 --> 00:42:38,880

and we got a beautiful explosion at the same time.

646

00:42:38,880 --> 00:42:40,880

And we showed how exciting golf can really be.

647

00:42:40,880 --> 00:42:42,880

It is exciting without explosion.

648

00:42:42,880 --> 00:42:43,880

Sure it is.

649

00:42:43,880 --> 00:42:44,880

That's not.

650

00:42:53,880 --> 00:42:58,880

Jamie and Adam have confirmed the movie myth that a blind person can drive a car,

651

00:42:58,880 --> 00:43:00,880

accident-free,

652

00:43:00,880 --> 00:43:02,880

Now turn to hard left.

653

00:43:02,880 --> 00:43:04,880

If a sighted person prompts them.

654

00:43:04,880 --> 00:43:05,880

You made it.

655

00:43:08,880 --> 00:43:13,880

But now they have an even more intoxicating real-world tale to try.

656

00:43:13,880 --> 00:43:19,880

So the story we have is that a blind man has actually been pulled over for driving a car,

657

00:43:19,880 --> 00:43:23,880

and the situation was that a friend of his got so drunk,

658

00:43:23,880 --> 00:43:26,880

he asked the blind guy to drive for him.

659

00:43:26,880 --> 00:43:28,880

This story heralds from Europe,

660

00:43:28,880 --> 00:43:31,880

where police saw a car traveling on the wrong side of the road,

661

00:43:31,880 --> 00:43:37,880

they discovered the driver was blind and being directed by his intoxicated buddy.

662

00:43:38,880 --> 00:43:41,880

Testing this drive from the headlights,

663

00:43:41,880 --> 00:43:45,880

Jamie is designated intoxicated navigator,

664

00:43:45,880 --> 00:43:48,880

and is already flushed in the face and a little frisky.

665

00:43:48,880 --> 00:43:51,880

He gets drunk not like anybody else I've ever met.

666

00:43:51,880 --> 00:43:55,880

His head gets red, he starts to giggle, but he doesn't say much.

667

00:43:55,880 --> 00:43:57,880

It's very peculiar.

668

00:43:57,880 --> 00:44:01,880

Now to make sure he is officially over the limit.

669

00:44:05,880 --> 00:44:08,880

I know we're supposed to be doing this, but it doesn't feel right.

670

00:44:12,880 --> 00:44:14,880

How much have you had to drink today, sir?

671

00:44:14,880 --> 00:44:15,880

That much.

672

00:44:15,880 --> 00:44:16,880

That much?

673

00:44:16,880 --> 00:44:17,880

We're gonna have to test him.

674

00:44:17,880 --> 00:44:21,880

And on the spot sobriety test is required, beginning with a physical.

675

00:44:22,880 --> 00:44:23,880

Finger to nose.

676

00:44:23,880 --> 00:44:24,880

Left.

677

00:44:25,880 --> 00:44:27,880

Then a breath test.

678

00:44:29,880 --> 00:44:30,880

Keep going, keep going.

679

00:44:30,880 --> 00:44:32,880

The evidence is irrefutable.

680

00:44:32,880 --> 00:44:34,880

The Heinemann is drunk.

681

00:44:34,880 --> 00:44:35,880

You're not allowed to drive.

682

00:44:35,880 --> 00:44:37,880

Thank goodness.

683

00:44:37,880 --> 00:44:43,880

The responsibility of driving home is up to blind man Jerry and his nerves of steel.

684

00:44:43,880 --> 00:44:44,880

Okay, a little curb.

685

00:44:44,880 --> 00:44:45,880

Up the driveway.

686

00:44:45,880 --> 00:44:52,880

The effects of imbibing alcohol include a decrease in reaction time and intellectual performance.

687

00:44:52,880 --> 00:44:57,880

So will Jamie's directions be as clear intoxicated as they were sober?

688

00:45:00,880 --> 00:45:04,880

All I've got to do is say right and left or slower or faster.

689

00:45:04,880 --> 00:45:09,880

So I think Jerry's gonna take us home quite nicely.

690

00:45:09,880 --> 00:45:11,880

Follow Carter drunk navigator.

691

00:45:11,880 --> 00:45:13,880

Follow Carter drunk navigator.

692

00:45:13,880 --> 00:45:15,880

Who you calling drunk over?

693

00:45:16,880 --> 00:45:18,880

Well, you better be drunk for this test of work.

694

00:45:18,880 --> 00:45:19,880

Are you ready?

695

00:45:20,880 --> 00:45:21,880

Yeah, whatever.

696

00:45:23,880 --> 00:45:26,880

Okay, whenever you feel like going will follow.

697

00:45:27,880 --> 00:45:33,880

A common consequence of people being drunk is that they think they're funnier than they really are.

698

00:45:33,880 --> 00:45:34,880

Laura.

699

00:45:34,880 --> 00:45:35,880

Yes.

700

00:45:37,880 --> 00:45:39,880

He knows better than to listen to me.

701

00:45:39,880 --> 00:45:42,880

Another is that their perspective of events.

702

00:45:42,880 --> 00:45:43,880

Straight now.

703

00:45:43,880 --> 00:45:45,880

Right, right, right, right, right, right, right.

704

00:45:46,880 --> 00:45:49,880

Can be very different to non-drinking observers.

705

00:45:49,880 --> 00:45:54,880

So I swear he is weaving a lot more around the road.

706

00:45:54,880 --> 00:45:59,880

It's like, oh, we got some curb action there.

707

00:46:02,880 --> 00:46:03,880

Hard left.

708

00:46:03,880 --> 00:46:06,880

Feelings of affection can also become magnified.

709

00:46:07,880 --> 00:46:09,880

Oh, you're so good.

710

00:46:09,880 --> 00:46:11,880

And make others feel uncomfortable.

711

00:46:11,880 --> 00:46:12,880

Right.

712

00:46:12,880 --> 00:46:15,880

Drunk Jamie as a navigator made me a lot more nervous.

713

00:46:15,880 --> 00:46:21,880

He gave a lot of positive reinforcements and it wasn't as useful.

714

00:46:21,880 --> 00:46:23,880

Good little bit of left.

715

00:46:23,880 --> 00:46:31,880

But what's important for this test is that drunk Jamie is making Jerry weave the road like he's the one who's been Swig and Bourbon.

716

00:46:32,880 --> 00:46:37,880

For the first time, driving instructor Derek has to help Jerry control the car.

717

00:46:38,880 --> 00:46:44,880

The situation felt a little less in control and twice Derek intervened.

718

00:46:44,880 --> 00:46:48,880

He grabbed the wheel once and he also hit the brake once.

719

00:46:48,880 --> 00:46:50,880

Hard right.

720

00:46:50,880 --> 00:46:54,880

But the guys do manage to pull into the drive in one piece.

721

00:46:54,880 --> 00:46:57,880

He got me home and I was drunk.

722

00:46:58,880 --> 00:46:59,880

Thank you, Jerry.

723

00:46:59,880 --> 00:47:00,880

You're my best friend.

724

00:47:00,880 --> 00:47:02,880

You're a bit your sweet little bit.

725

00:47:02,880 --> 00:47:13,880

From where Adam was sitting, there was a very distinct difference between Jamie's navigation skills sober versus drunk.

726

00:47:13,880 --> 00:47:18,880

You're weaving much more from right to left, right to left.

727

00:47:18,880 --> 00:47:26,880

There's a lot of delay in correction and if I was a cop behind you, I would be pulling that car over thinking there's a drunk man behind the wheel.

728

00:47:26,880 --> 00:47:29,880

I don't know which is worse, being blind or blind drunk.

729

00:47:30,880 --> 00:47:36,880

So if you ever consider the blind driving method of getting somewhere, call a cab.

730

00:47:36,880 --> 00:47:38,880

Booyah!

731

00:47:42,880 --> 00:47:46,880

Can we stop doing these drinking myths? I don't feel so good.

732

00:47:46,880 --> 00:47:49,880

Okay, I'll do the heavy lifting in the wrap up.

733

00:47:49,880 --> 00:47:58,880

I think you and I proved on the closed course that with a little practice, it is possible to drive while blindfolded as long as your instructions are competent.

734

00:47:58,880 --> 00:48:02,880

And our blind guy that we got, Jerry, actually turned out to be a great driver.

735

00:48:02,880 --> 00:48:08,880

He did and that combined with the story we found of someone actually doing it, I'd say this one is totally confirmed.

736

00:48:08,880 --> 00:48:11,880

It's illegal, but you can do it. It's confirmed.

737

00:48:11,880 --> 00:48:14,880

You know what my favorite part of this whole story was?

738

00:48:14,880 --> 00:48:20,880

Was it after you got drunk, your instructions made Jerry drive as if he was drunk.

739

00:48:20,880 --> 00:48:22,880

I would have never called that.

740

00:48:22,880 --> 00:48:23,880

Hmm.

741

00:48:23,880 --> 00:48:25,880

I thought I did pretty well.

742

00:48:25,880 --> 00:48:28,880

Yeah, but that's the whole point. You were actually drunk.