

# THE BRAIN BRAKE

Version four. The comic strip. Shooting and animation document.

|              |                                    |
|--------------|------------------------------------|
| RUNNING TIME | 00:01:57:22 (limit 2:00)           |
| TIMEBASE     | 25 fps non drop, HH:MM:SS:FF       |
| FORMAT       | 16:9, 2731 x 1536                  |
| ENTRY        | Breakthrough Junior Challenge 2026 |
| PRESENTER    | Manan Periwal                      |
| CAMERA       | Venkatesh, Pondicherry             |
| ANIMATION    | Kristijan Kaurić, Brojka, Zagreb   |
| PRODUCER     | Neha Sonthalia Periwal             |

## THE FILM IN NUMBERS

- 46 frames
- 16 drawn frames, animation only
- 25 frames with Manan filmed and placed in a drawn panel
- 5 strip panels where a character speaks in a bubble
- 9 lines Manan speaks to camera
- 12 lines Manan speaks in the booth
- 6 speech bubbles, already recorded
- 19 frames with no words at all

## BY SCENE

| SCENE            | FRAMES | DRAWN | LIVE | IN       | OUT      |
|------------------|--------|-------|------|----------|----------|
| 1 The Mystery    | 6      | 4     | 2    | 00:00:00 | 00:11:22 |
| 2 The Old Theory | 5      | 2     | 3    | 00:11:22 | 00:20:15 |
| 3 The Full Tank  | 5      | 1     | 4    | 00:20:15 | 00:34:23 |
| 4 The Gatekeeper | 7      | 0     | 7    | 00:34:23 | 01:00:12 |
| 5 The Experiment | 8      | 2     | 6    | 01:00:12 | 01:18:06 |
| 6 The Release    | 5      | 4     | 1    | 01:18:06 | 01:30:10 |
| 7 The Verdict    | 4      | 2     | 2    | 01:30:10 | 01:39:03 |
| 8 The Invitation | 6      | 1     | 5    | 01:39:03 | 01:57:22 |
| TOTAL            | 46     | 16    | 30   |          | 01:57:22 |

# The three layers

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Nobody in the audience is told any of this. They absorb it in the first twenty seconds.

## DRAWN

*Everything imagined*

Pencil on warm cream paper. The factory inside the muscle, the hall of tanks, Coach Brain, the lever. This layer is the explanation, the model people built in their heads to make sense of the body.

## LIVE ACTION

*Everything true*

Manan. Real skin, real hoodie, real hands, photographed against grey and placed inside the drawings, casting a real shadow onto the paper. This is the evidence, and the person who came to look.

## THE BOOTH

*The film being made*

A dark room, a music stand, a microphone, one warm light behind him. He is a silhouette and the only lit thing in frame is the page in his hands. A shadow, reading, which is exactly what a narrator is. It opens the fourth wall: for a few seconds we are behind the film, in the room where a boy is making it.



*The booth shots are cutaways, three or four across the film, dropped in when it wants you to remember somebody is telling you this.*

# What changed from version three

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## **The runner**

New character, and the film now opens on his face in close up rather than a wide. Empathy before curiosity: the audience feels him before they wonder about him.

## **The format**

Fifty composite shots became a moving comic strip. Characters speak in bubbles instead of being animated. No lip sync, no walk cycles, no character animation.

## **The script**

Cut from 311 words to 192. Where the picture already said it, the voice stopped saying it. The chalkboard writes the chain, so nobody narrates the chain. The stamp reads CASE CLOSED, so nobody says case closed.

## **The silence**

There are now 25 frames with no words at all. In version two the film was 157 seconds of speech in a 120 second film, which was impossible.

## **The bubbles**

Every bubble is also spoken aloud, so nobody has to read anything on screen. The character voices are cast, directed and already recorded.

## **The booth**

A new setup and a new layer. See the previous page.

## **Delivery**

Artwork arrives finished and in separate layers: background alone, each character as a transparent PNG, bubbles empty so the font is yours, and a placeholder marking where Manan goes.

# The shooting day

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**A Grey backdrop, walking and reacting**

Eye level on sticks, locked off. Soft key from camera left at forty five degrees. Fill from the right at half strength. Frames 1.5, 1.6, 2.6, 3.2, 3.3, 3.4, 3.6.

**B Seated eyeline, reacting to Coach Brain**

Same lighting as A, unchanged. Tennis ball on a stand at seated height, camera left. Do not relight, only move the mark. Frames 4.2, 4.7.

**C White void, still, to lens**

Flat even light both sides, no modelling, no shadow on the backdrop. Frames 7.3, 7.6, 8.1, 8.3, 8.5, 8.6, 8.7.

**D Jump, high frame rate. Optional, five minutes.**

Same as C, wider, room above his head.

**E His room, at his desk**

Warm window light, no lamps fighting it. Frames 2.3, 4.5, 5.4.

**F His room, at the blackboard**

Same light, standing. A real blackboard, shot completely clean. Frame 2.1.

**G His room, on the stationary bike**

Same light. Wide, closer, close. Frames 5.6, 5.7, 5.8, 5.9.

**H THE BOOTH. New.**

A small room made dark. Music stand with the script pages, microphone on a stand, headphones. One warm light low and behind him, everything else falling away. He reads as a silhouette and the page in his hands is the only lit thing. His face does not need to read. Three or four shots.

**EXT One quiet road, early morning**

Riding hard, side on. Thirty minutes. Frame 5.5.

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## PROPS

Neutral mid dark grey background, about hex 3A3B3D, matte, one stop darker than his hoodie, and he stands at least a metre and a half in front of it. Tennis ball on a stand. Brass magnifying glass. A real blackboard and white chalk. A stationary exercise bike. A bicycle and a plain dark helmet. A small gold key. A ball at chest height for the lever insert. His own phone and laptop. Music stand, microphone on a stand, headphones, printed script pages.

## WARDROBE

Grey hoodie everywhere, except on the stationary bike where he is in a plain dark t shirt. He rides the road in the hoodie, comes back sweating, takes it off. Plain mid grey, no logos.

# THE MYSTERY



1.1 DRAWN

00:00:00:00 00:00:03:19 94 fr



1.2 DRAWN

00:00:03:19 00:00:04:12 18 fr



1.3 DRAWN

00:00:04:12 00:00:05:03 16 fr

MANAN, VOICE OVER

**For a hundred years we blamed the muscles.**

**BUILD**

Animation only. Nobody on the shooting day.

**NO WORDS**

*Let it hold. The picture is doing it.*

**BUILD**

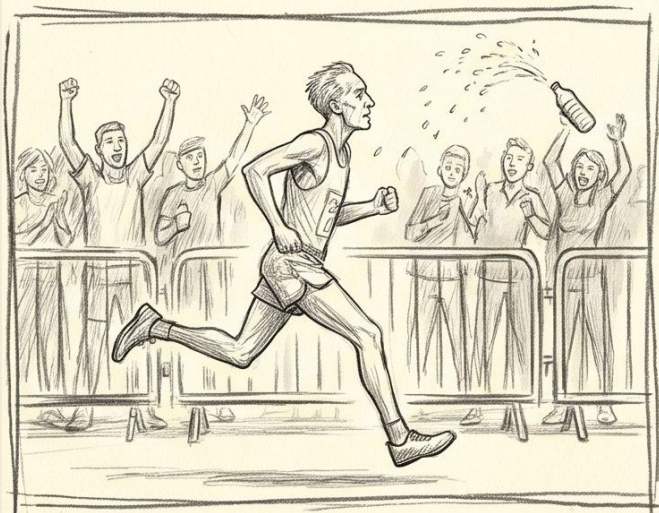
Animation only. Nobody on the shooting day.

**NO WORDS**

*Let it hold. The picture is doing it.*

**BUILD**

Animation only. Nobody on the shooting day.



#### 1.4 DRAWN

00:00:05:03 00:00:05:19 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

**BUILD**

Animation only. Nobody on the shooting day.



#### 1.5 LIVE ACTION IN A DRAWN PANEL

00:00:05:19 00:00:06:10 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



#### 1.6 LIVE ACTION IN A DRAWN PANEL

00:00:06:10 00:00:11:22 137 fr

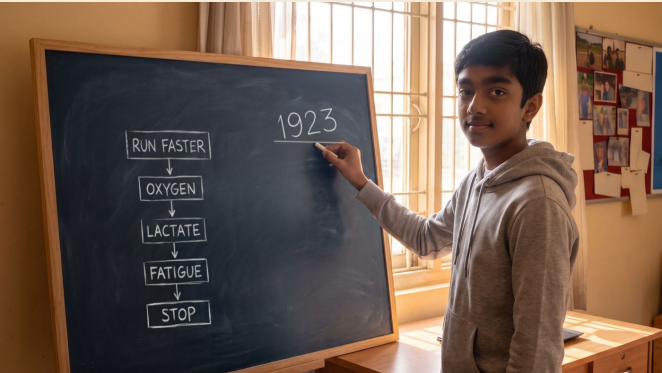
**MANAN, TO CAMERA**

**Hold on. He had nothing left. So where did THAT come from?**

**BUILD**

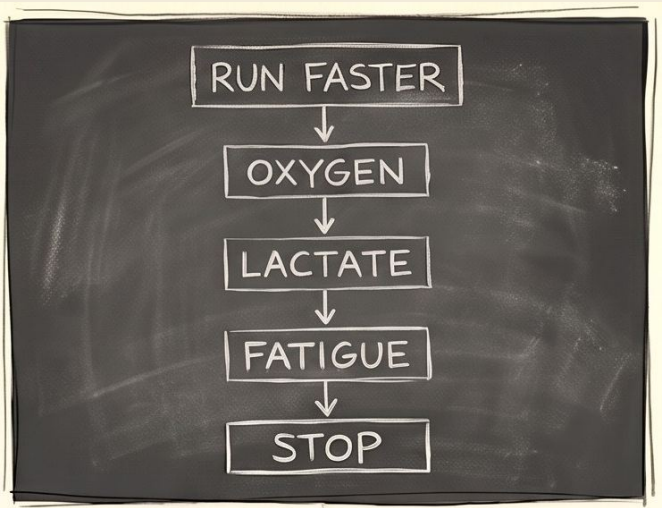
Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.

# THE OLD THEORY



2.1 LIVE ACTION IN A DRAWN PANEL

00:00:11:22 00:00:14:20 73 fr



2.2 DRAWN

00:00:14:20 00:00:15:11 16 fr



2.3 LIVE ACTION IN A DRAWN PANEL

00:00:15:11 00:00:16:02 16 fr

MANAN, VOICE OVER

A. V. Hill. Nineteen twenty three.

BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.

NO WORDS

*Let it hold. The picture is doing it.*

BUILD

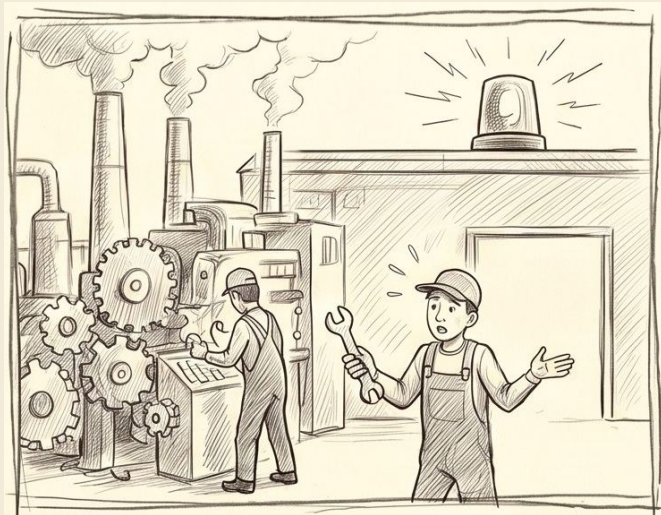
Animation only. Nobody on the shooting day.

NO WORDS

*Let it hold. The picture is doing it.*

BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



2.4 DRAWN

00:00:16:02 00:00:18:03 51 fr

WORKER, SPEECH BUBBLE

**That's it. We're done.**

recorded. bubble empty in the artwork, set the type yourself.

**BUILD**

Animation only. Nobody on the shooting day.



2.6 LIVE ACTION IN A DRAWN PANEL

00:00:18:03 00:00:20:15 62 fr

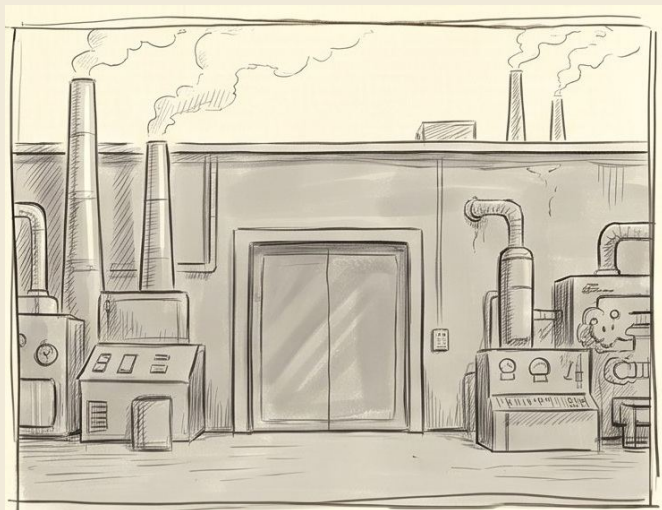
MANAN, VOICE OVER

**Except it doesn't explain this.**

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.

# THE FULL TANK



## 3.1 DRAWN

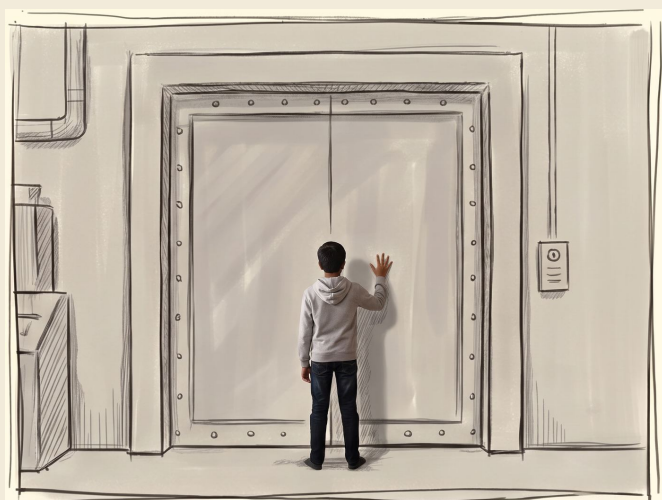
00:00:20:15 00:00:21:06 16 fr

### NO WORDS

*Let it hold. The picture is doing it.*

### BUILD

Animation only. Nobody on the shooting day.



## 3.2 LIVE ACTION IN A DRAWN PANEL

00:00:21:06 00:00:24:15 84 fr

### MANAN, VOICE OVER

**At the back, a door nobody opens.**

### BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



### 3.3 LIVE ACTION IN A DRAWN PANEL

00:00:24:15 00:00:25:06 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



### 3.4 LIVE ACTION IN A DRAWN PANEL

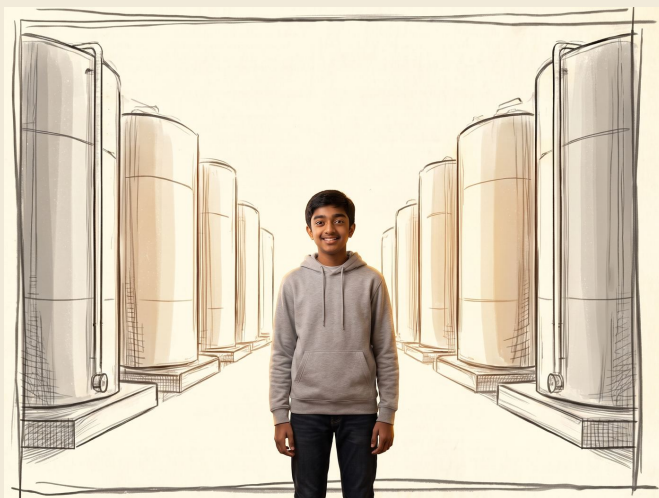
00:00:25:06 00:00:31:04 148 fr

MANAN, VOICE OVER

**Tested the moment they gave up, the muscles could still do far more.**

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



### 3.6 LIVE ACTION IN A DRAWN PANEL

00:00:31:04 00:00:34:23 94 fr

MANAN, TO CAMERA

**It was never empty. Somebody closed that door.**

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.

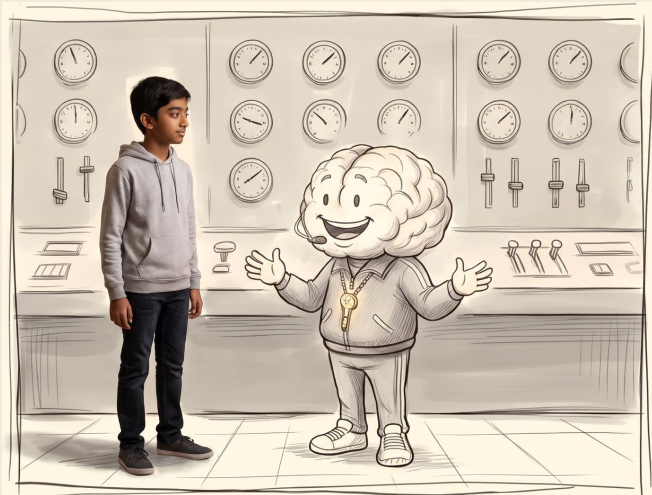
# THE GATEKEEPER



BUB\_4\_1.wav 2.8s Male English Actor

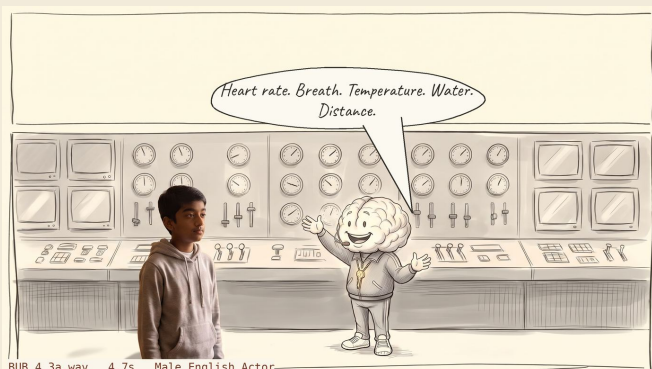
## 4.1 STRIP PANEL, BUBBLE

00:00:34:23 00:00:38:07 84 fr



## 4.2 LIVE ACTION IN A DRAWN PANEL

00:00:38:07 00:00:40:08 51 fr



BUB\_4\_3a.wav 4.7s Male English Actor

## 4.3 STRIP PANEL, BUBBLE

00:00:40:08 00:00:43:06 73 fr

COACH BRAIN, SPEECH BUBBLE

**You found me. Took you long enough.**

recorded. bubble empty in the artwork, set the type yourself.

**BUILD**

Background, character and bubble are delivered as separate layers.

MANAN, TO CAMERA

**You closed that door.**

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.

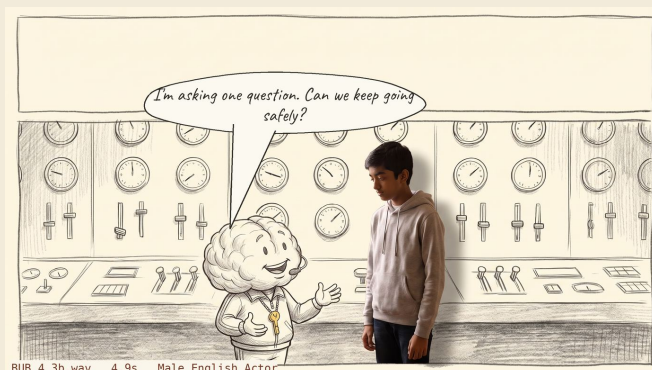
COACH BRAIN, SPEECH BUBBLE

**Heart rate. Breath. Temperature. Water. Distance.**

recorded. bubble empty in the artwork, set the type yourself.

**BUILD**

Background, character and bubble are delivered as separate layers.



#### 4.4 STRIP PANEL, BUBBLE

00:00:43:06 00:00:47:11 105 fr

COACH BRAIN, SPEECH BUBBLE

**I'm asking one question. Can we keep going safely?**

recorded. bubble empty in the artwork, set the type yourself.

**BUILD**

Background, character and bubble are delivered as separate layers.



#### 4.5 LIVE ACTION IN A DRAWN PANEL

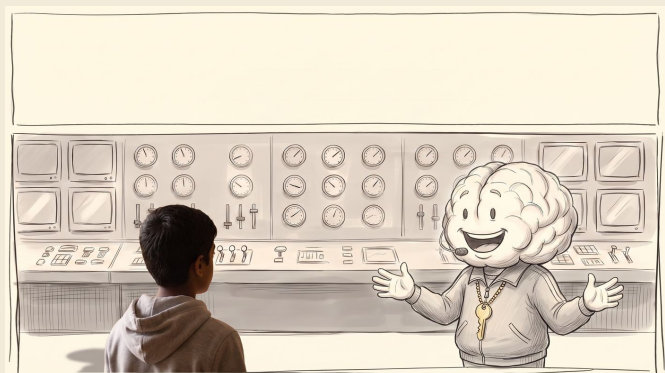
00:00:47:11 00:00:52:02 116 fr

MANAN, VOICE OVER

**Like a phone at twenty percent. Not broken. Protecting itself.**

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



#### 4.6 STRIP PANEL, BUBBLE

00:00:52:02 00:00:56:07 105 fr

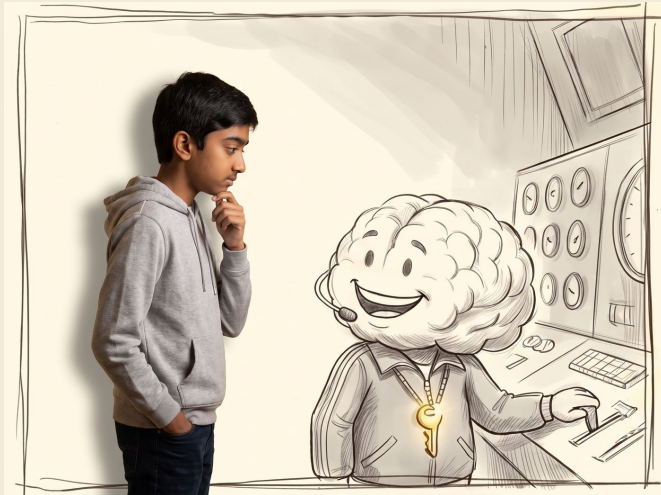
COACH BRAIN, SPEECH BUBBLE

**My best judgement. I'd rather you finish than break.**

recorded. bubble empty in the artwork, set the type yourself.

**BUILD**

Background, character and bubble are delivered as separate layers.



#### 4.7 LIVE ACTION IN A DRAWN PANEL

00:00:56:07 00:01:00:12 105 fr

MANAN, TO CAMERA

**So the limit isn't my body. It's your judgement.**

BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.

# THE EXPERIMENT



5.1 DRAWN

00:01:00:12 00:01:04:06 94 fr

MANAN, VOICE OVER

**They let him race his own best ride.**

**BUILD**

Animation only. Nobody on the shooting day.



5.3 DRAWN

00:01:04:06 00:01:08:11 105 fr

MANAN, VOICE OVER

**He beat it. So it was never his maximum.**

**BUILD**

Animation only. Nobody on the shooting day.



5.4 LIVE ACTION IN A DRAWN PANEL

00:01:08:11 00:01:09:02 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



### 5.5 LIVE ACTION IN A DRAWN PANEL

00:01:09:02 00:01:11:03 51 fr

MANAN, VOICE OVER  
**So I tried it.**

#### BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



### 5.6 LIVE ACTION IN A DRAWN PANEL

00:01:11:03 00:01:11:19 16 fr

#### NO WORDS

*Let it hold. The picture is doing it.*

#### BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



### 5.7 LIVE ACTION IN A DRAWN PANEL

00:01:11:19 00:01:12:10 16 fr

#### NO WORDS

*Let it hold. The picture is doing it.*

#### BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



**5.8** LIVE ACTION IN A DRAWN PANEL

00:01:12:10 00:01:14:22 62 fr

MANAN, VOICE OVER

**Nothing about my legs changed.**

BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



**5.9** LIVE ACTION IN A DRAWN PANEL

00:01:14:22 00:01:18:06 84 fr

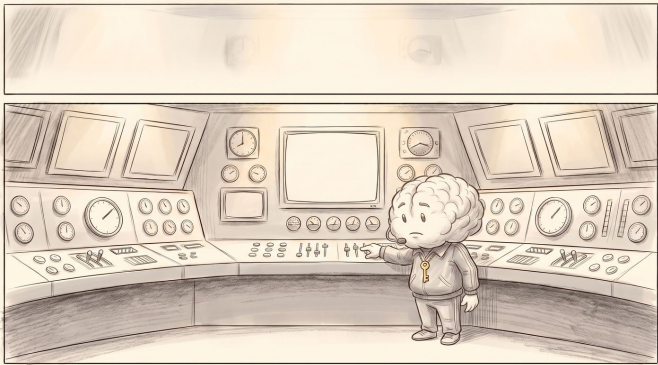
MANAN, TO CAMERA

**Only what I believed they had left.**

BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.

# THE RELEASE



6.1 STRIP PANEL, BUBBLE

00:01:18:06 00:01:22:22 116 fr

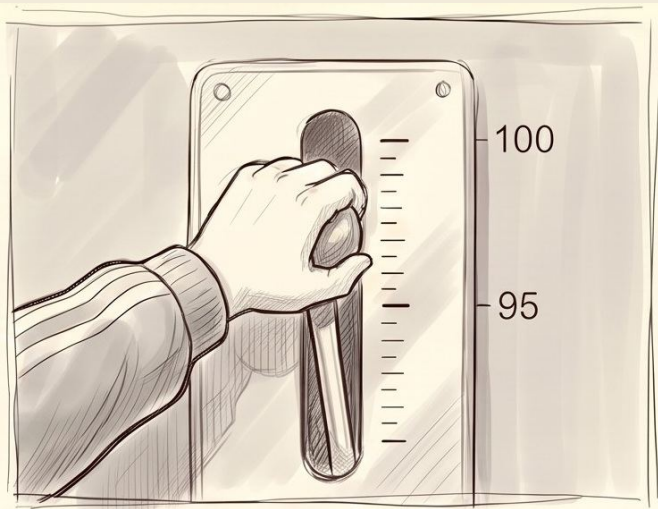
COACH BRAIN, SPEECH BUBBLE

**All right. Everything's holding.  
Let's give him a little more.**

recorded. bubble empty in the artwork, set the type yourself.

**BUILD**

Background, character and bubble are delivered as separate layers.



6.2 DRAWN

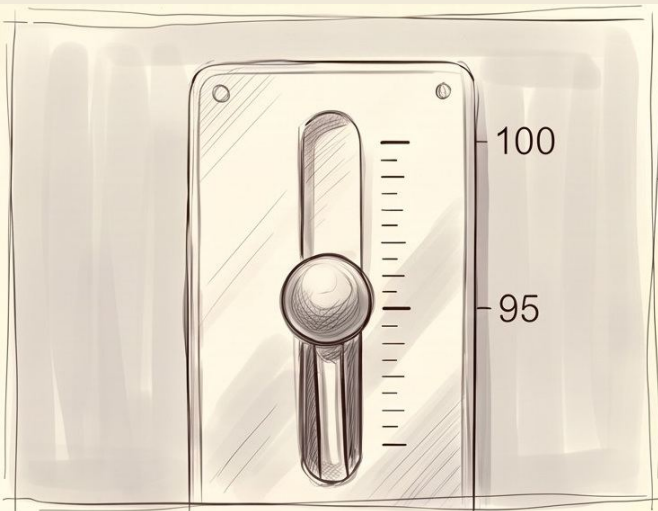
00:01:22:22 00:01:23:13 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

**BUILD**

Animation only. Nobody on the shooting day.



6.3 DRAWN

00:01:23:13 00:01:26:00 62 fr

MANAN, VOICE OVER

**Still not all of them.**

**BUILD**

Animation only. Nobody on the shooting day.



6.4 DRAWN

00:01:26:00 00:01:26:16 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

BUILD

Animation only. Nobody on the shooting day.



6.6 DRAWN

00:01:26:16 00:01:30:10 94 fr

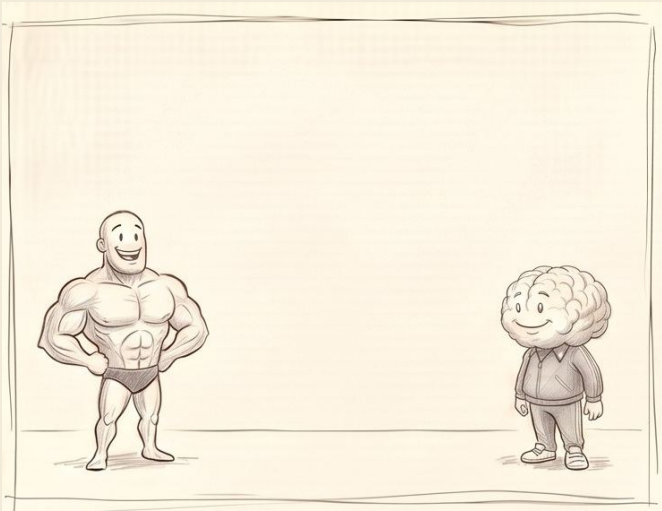
MANAN, VOICE OVER

**It didn't make new energy. It gave permission.**

BUILD

Animation only. Nobody on the shooting day.

# THE VERDICT



7.1 DRAWN

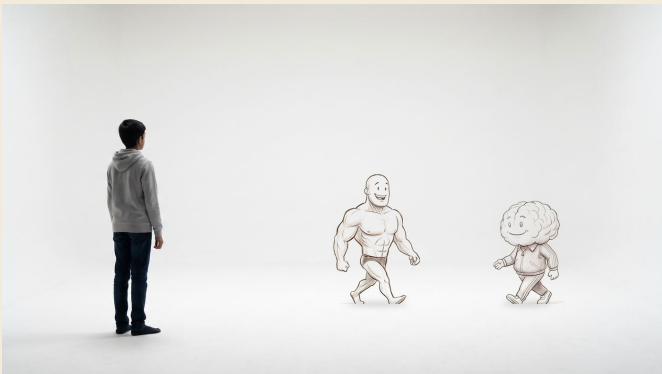
00:01:30:10 00:01:31:01 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

BUILD

Animation only. Nobody on the shooting day.



7.3 LIVE ACTION IN A DRAWN PANEL

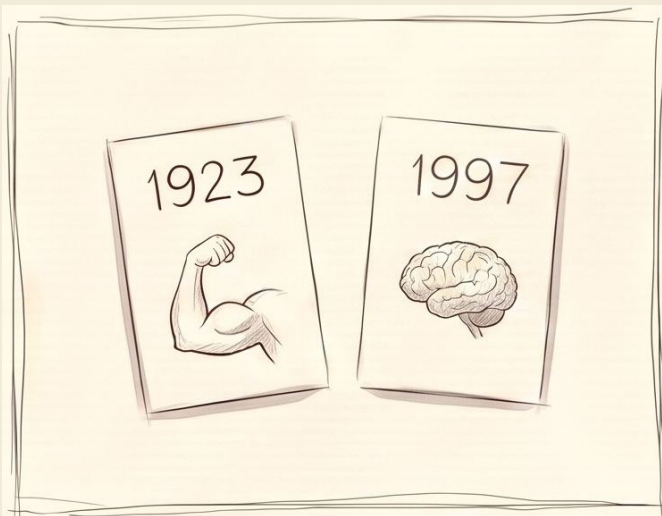
00:01:31:01 00:01:31:17 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



7.5 DRAWN

00:01:31:17 00:01:32:08 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

BUILD

Animation only. Nobody on the shooting day.



## 7.6 LIVE ACTION IN A DRAWN PANEL

00:01:32:08 00:01:39:03 170 fr

### MANAN, TO CAMERA

**Great ideas aren't accepted because they sound convincing. They're accepted because people keep testing them.**

### BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.

# THE INVITATION



**8.1** LIVE ACTION IN A DRAWN PANEL

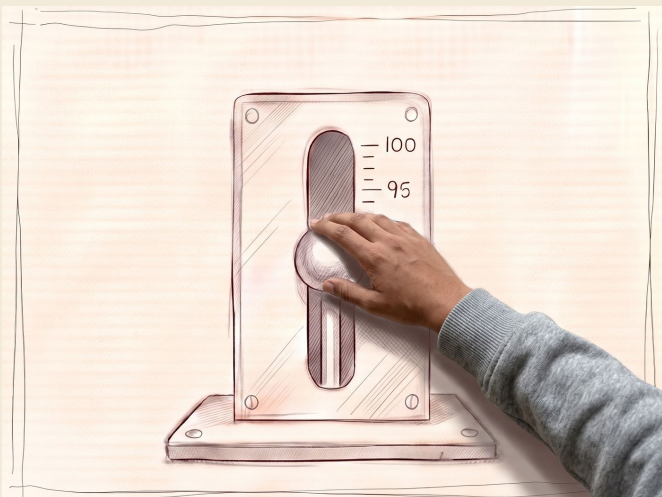
00:01:39:03 00:01:39:19 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



**8.3** LIVE ACTION IN A DRAWN PANEL

00:01:39:19 00:01:40:10 16 fr

NO WORDS

*Let it hold. The picture is doing it.*

**BUILD**

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



### 8.5 LIVE ACTION IN A DRAWN PANEL

00:01:40:10 00:01:44:04 94 fr

MANAN, TO CAMERA

**The wall is real. But somebody set it.**

BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



### 8.6 LIVE ACTION IN A DRAWN PANEL

00:01:44:04 00:01:48:20 116 fr

MANAN, TO CAMERA

**And what your brain believes is safe can be trained.**

BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



### 8.7 LIVE ACTION IN A DRAWN PANEL

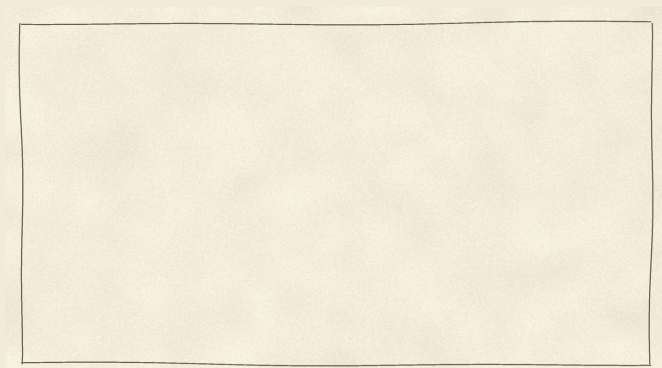
00:01:48:20 00:01:56:11 191 fr

MANAN, TO CAMERA

**So next time somebody finds one last burst of speed, ask what their brain believed was safe.**

BUILD

Manan filmed against grey, cut out, placed in the drawn panel. His shadow is drawn onto the paper.



**8.8** DRAWN

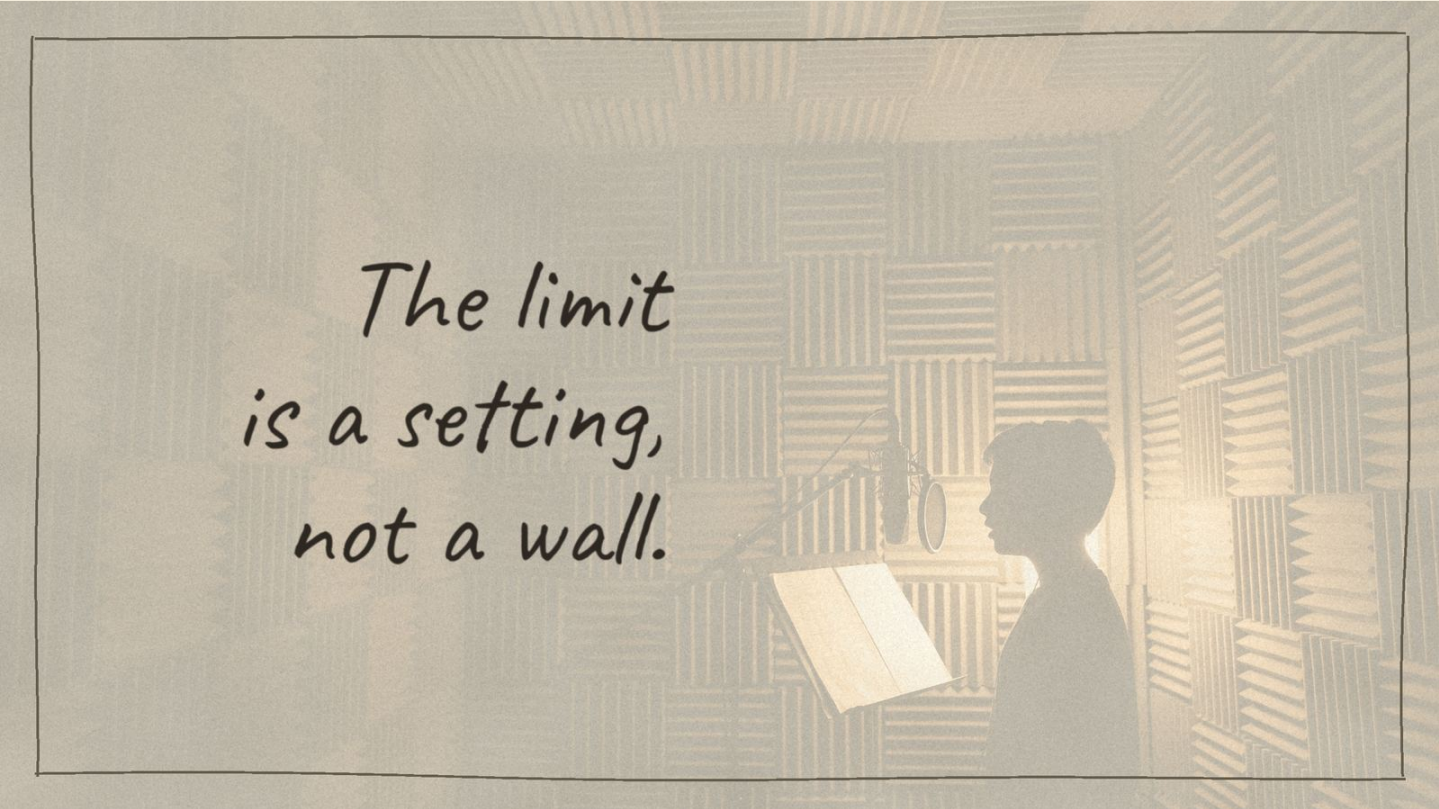
00:01:56:11 00:01:57:22 36 fr

NO WORDS

*Let it hold. The picture is doing it.*

**BUILD**

Animation only. Nobody on the shooting day.



*The limit  
is a setting,  
not a wall.*

THE LAST FRAME BUT ONE · then the sheet goes blank

*Everything collapses into one plane. The drawn boy breathing, the two theories  
ghosted at the edges, and the real boy's shadow reading it into being.  
The sentence is hand drawn, because everything explained in this film is drawn.  
Then the sheet goes blank, and we are back at the beginning.*