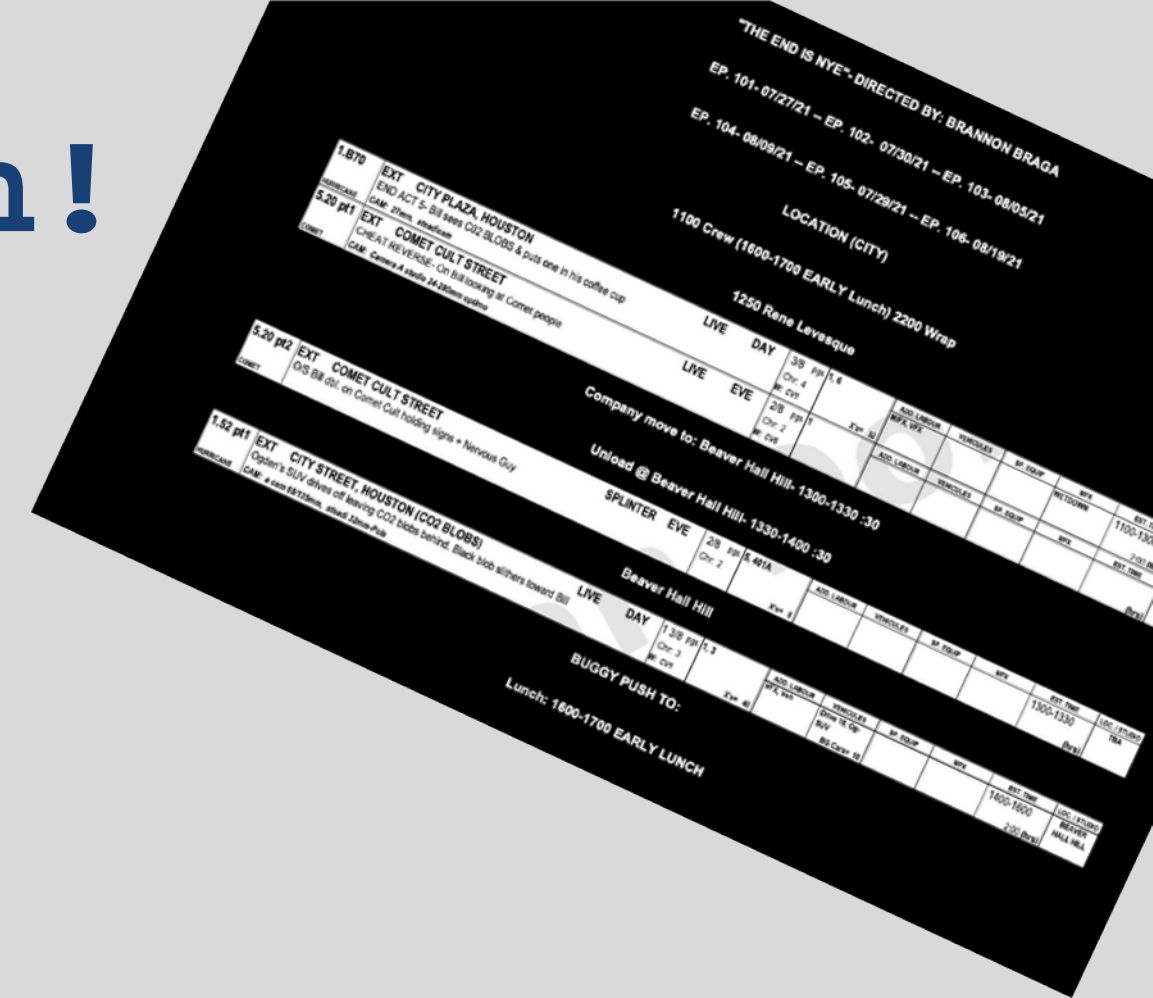




# Lights, Camera, Action!

Team 91343B

North Hills, California



## THE CAST

**ANNA:** (8) Girl. Determined & friendly. Loves animals & gymnastics.

**KILLIAN:** (8) Boy. Playful. Loves animals & Lego.

**LEO:** (10) Boy. Enthusiastic. Passionate about robotics, animals, family, & the Dodgers.

**MICAH:** (11) Boy. Quick-witted. Enjoys reading & rollerblading.

**SARAH:** (10) Girl. Imaginative. Loves sports, robotics, & grooving to KPop music.

**TOBIN:** (10) Boy. Fun-loving. Into robotics, baseball, parkour, & Rubik's cubes.

**WILL:** (10) Boy. Active. Sports enthusiast & Lego maniac. aka: Dubby



# ACTION!

Episode #001

## ELEMENTARY SCHOOL COMPUTER LAB- AFTER SCHOOL

Located just outside of Hollywood, California, film capital of the world. Team 91343B sits in the computer lab reflecting on how making the STEM Research video was similar to the Engineering Design Process.

**FADE IN:**

**WILL**

Hey, the steps to making our STEM video are a lot like planning our robot.

**MICAH**

Kind of, I mean from what I learned so far, they are similar and different in a few ways.

**KILLIAN**

Um, we could research some different roles in making movies and do it for the Career Readiness Challenge.

**WILL**

We do live near Hollywood. It's kind of a unique place and we all know it's part of "L.A. culture".

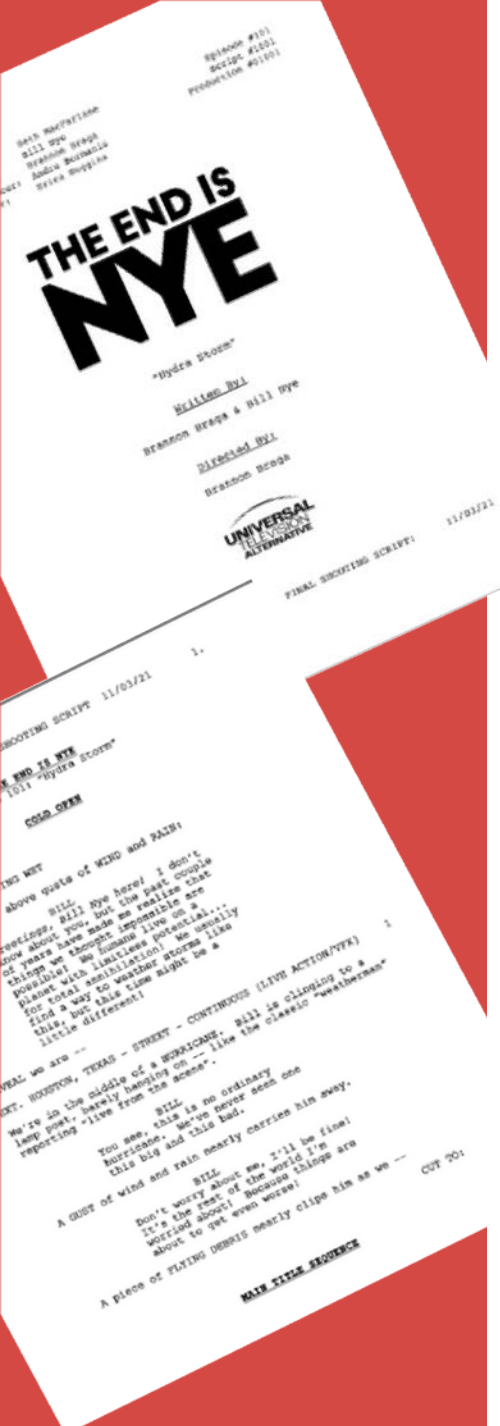
**MICAH**

Plus, I'm in the Making Movies that Matter after school program, Leo wants to be a Director someday, and didn't Sarah just do a play?

**KILLIAN**

I vote yes! Let's do some research.

**CUT TO:**



## NARRATOR

Combining their love of watching movies with their newly learned skills of making movies, Team 91343B looks into the different careers in the movie industry. Using their best Google search skills, they discover the steps to writing a screenplay but soon find that a director's process is similar to the Engineering Design Process. Using their Engineering Notebook, they write down things they do in each step and compare it to the research on a director's process.

## TOBIN'S HOUSE-AFTER SCHOOL

### LEO

This is interesting, but I really want to know more about how a director makes decisions.

### ANNA

When WE started VEX Full Volume, we created the team and then we read through the game manual together.

### TOBIN

Sarah, do you know if a director starts out by reading the script like we read the manual?

### SARAH

I don't know. How can we find out?

## FADE OUT

## NARRATOR

Team 91343B decides that they need first-hand information. They reach out to two movie directors for answers. Before they meet with the directors, they write questions to ask to understand the directors' technical and creative processes.



## Brannon Braga

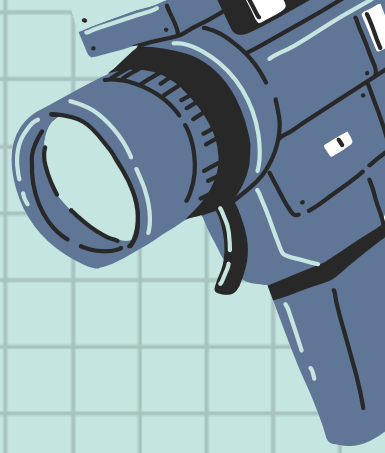
Brannon is known for *Star Trek*, *Cosmos*, and *The End is Nye*. He is a director, writer, and producer. He started researching films when he was 10. He shared his filmmaking process with us and told us how he takes an idea from beginning to end. Brannon said that as a director his main job is to problem solve. He and his team use the script as the blueprint for the whole project. He talked about some creative parts like the “storyboard” and technical parts like “aspect ratio” in filming.

# The Directors

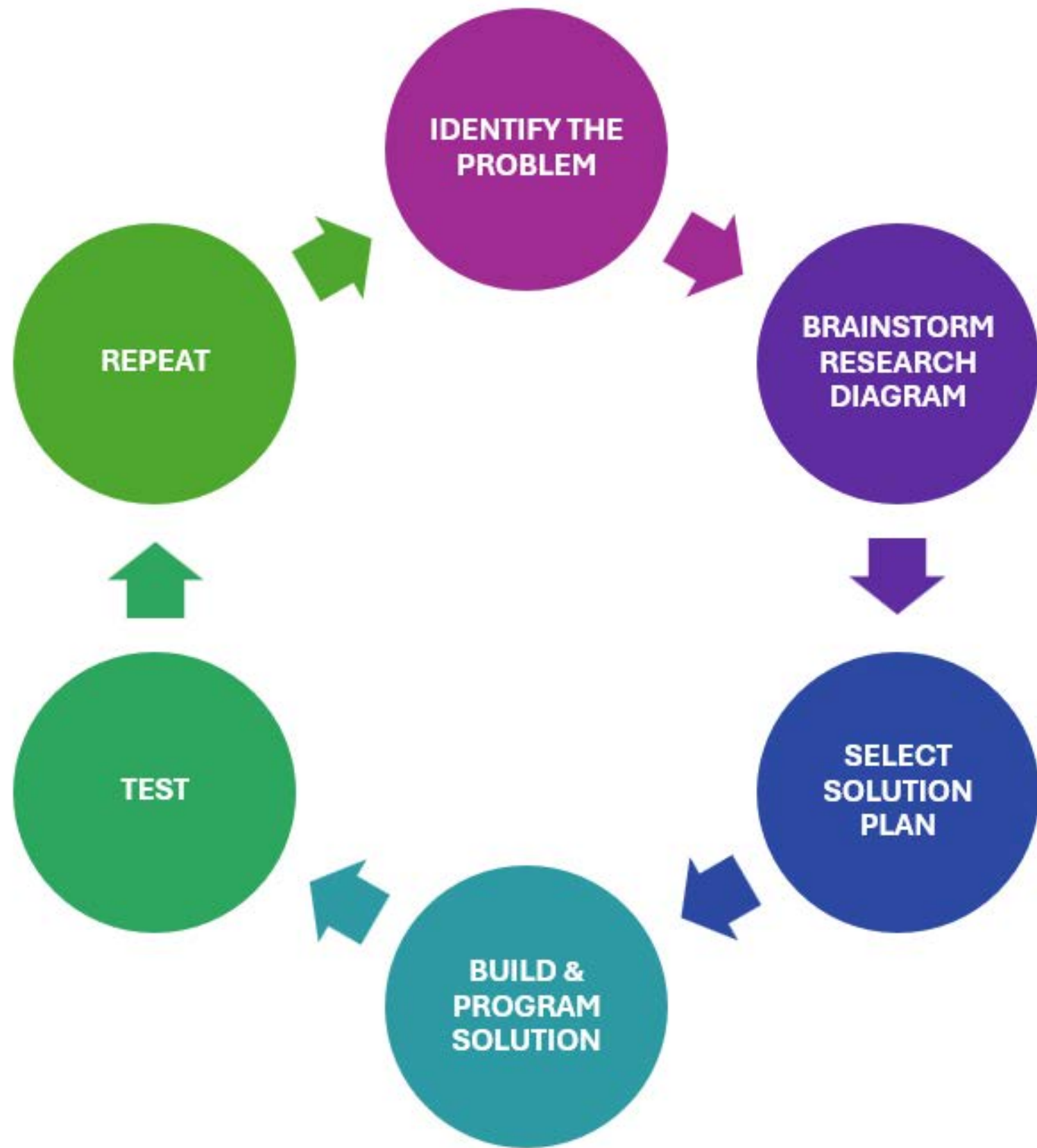


## Mike Hatton

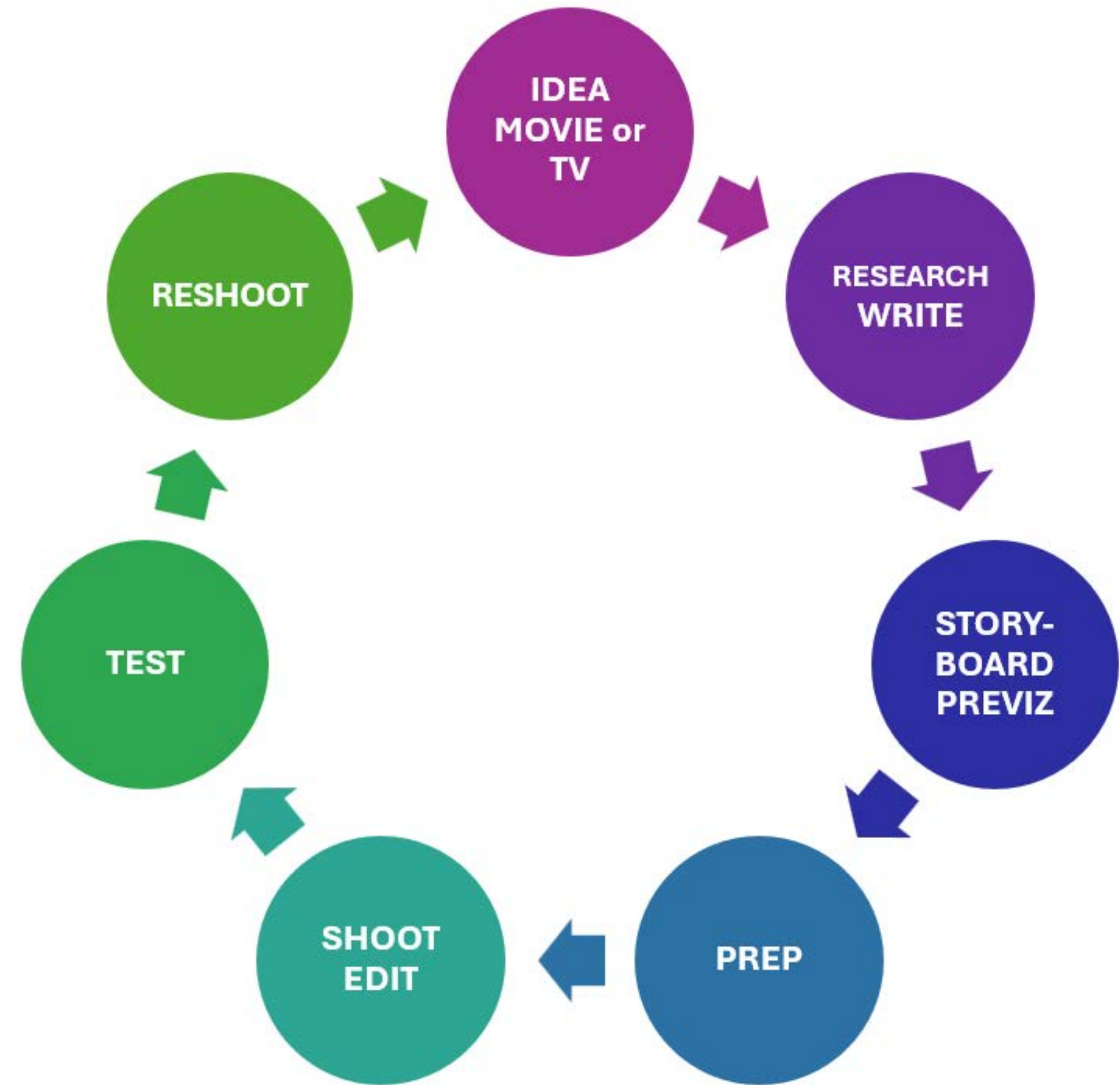
Mike is best known for the movie *Green Book* that won an Academy Award. He is a director, writer, actor, and producer. He always knew he wanted to make movies. He told us if you can dream it, you can make it happen. You just need confidence and the willingness to keep learning. Mike shared with us his process to directing and the importance of having a good team. He said that if you have the right people doing their job, your job is easy. He also said to work with people more experienced than you so you can learn and grow.



# Engineering Design Process



# Filmmaker's Design Process



## NARRATOR

After reviewing the notes from research and interviews, Team 91343B confirmed that the filmmaking process was similar to the engineering design process.

### ENGINEERING STEPS vs FILMAKER STEPS

With an idea for a movie, Brannon and Mike research and write the script similar to our processes of learning VEX Full Volume.

We brainstorm and diagram ideas like the storyboard Brannon shared with us. We plan our build based on the rules, our

abilities, and our pieces. They plan based on money, time, and people. They have a prep step where they outline

each day of filming for the whole movie because

they have so many people. We set schedules and deadlines too for competitions and online challenges. We then

build and they shoot and edit. For example, to make 13 episodes of a TV show, they filmed for 100

days! We test our robot and code by trying it out many times. They look at scenes called dailies and

even have an audience rate the scenes if they like them or not. Our feedback comes from

Match scores compared to other teams. Even though filmmaking seems more artistic

compared to robotics, filmmakers are creative just like us and use a similar process to

make sure they get the best results!

### Actual Storyboard



### PREP

"THE END IS NYE" - DIRECTED BY: BRANNON BRAGA

EP. 101- 07/27/21 - EP. 102- 07/30/21 - EP. 103- 08/05/21

EP. 104- 08/09/21 - EP. 105- 07/29/21 - EP. 106- 08/19/21

LOCATION (CITY)

1100 Crew (1600-1700 EARLY Lunch) 2200 Wrap

1250 Rene Levesque

TIME	EXT	INT	CHAR	DAY	REP	ACT	LABOR	VEHICLES	SP. EQUIP.	WFL	WFL	EST. TIME	LOC. (STUDIO)
1.870	EXT			LIVE	DAY	3/8	1/6					1100-1300	1250 RENE LEVESQUE
END ACT 5- Bill sees COZ BLOSS & puts one in his coffee cup CAM: 27mm, at/at/pan													
5.20 pt1	EXT			LIVE	EVE	2/8	1/1					1300-1330	1250 RENE LEVESQUE
CHEAT REVERSE- On Bill looking at Comet people CAM: Camera A studio 24-26mm up/pan													

Company move to: Beaver Hall Hill- 1300-1330 :30

Unload @ Beaver Hall Hill- 1330-1400 :30

TIME	EXT	INT	CHAR	DAY	REP	ACT	LABOR	VEHICLES	SP. EQUIP.	WFL	WFL	EST. TIME	LOC. (STUDIO)
5.20 pt2	EXT			SPLINTER	EVE	2/8	1/4					1300-1330	TBA
OS Bill dbl. on Comet Cult holding signs + Nervous Guy CAM: 24mm 24-26mm up/pan													

Beaver Hall Hill

TIME	EXT	INT	CHAR	DAY	REP	ACT	LABOR	VEHICLES	SP. EQUIP.	WFL	WFL	EST. TIME	LOC. (STUDIO)
1.52 pt1	EXT			LIVE	DAY	1/3	1/3					1400-1600	BEAVER HALL HILL
Ogden's SUV drives off leaving COZ blobs behind. Black blob slithers toward Bill CAM: 24mm 24-26mm up/pan													

BUGGY PUSH TO:

Lunch: 1600-1700 EARLY LUNCH

### TEST

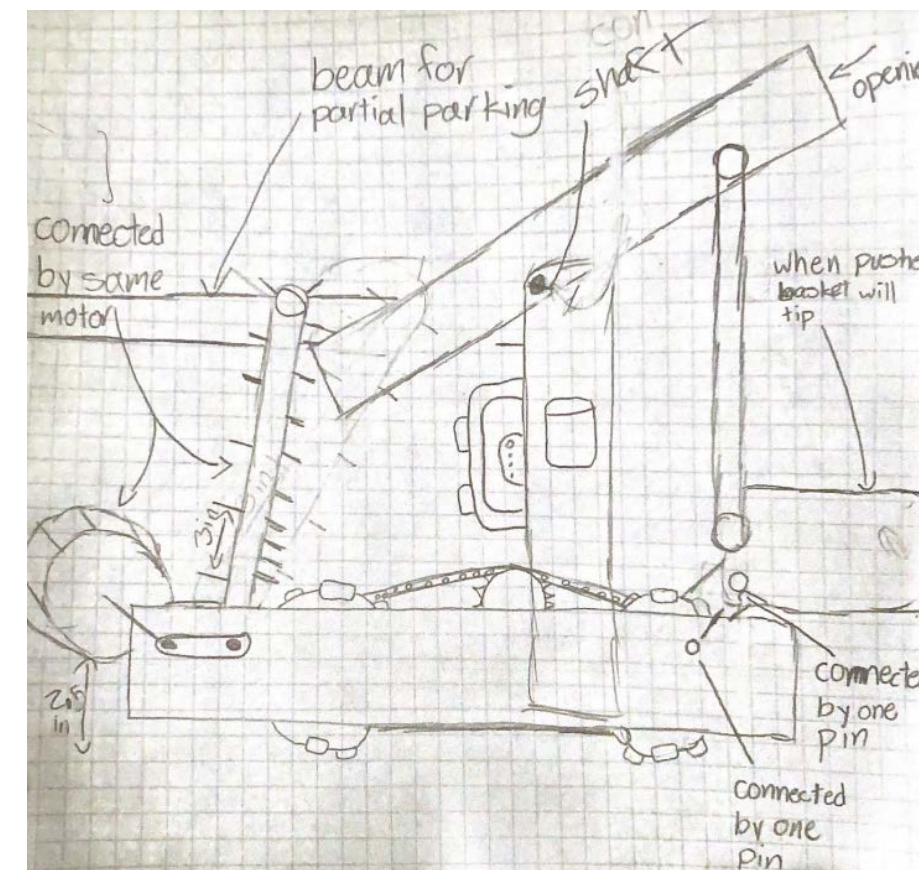
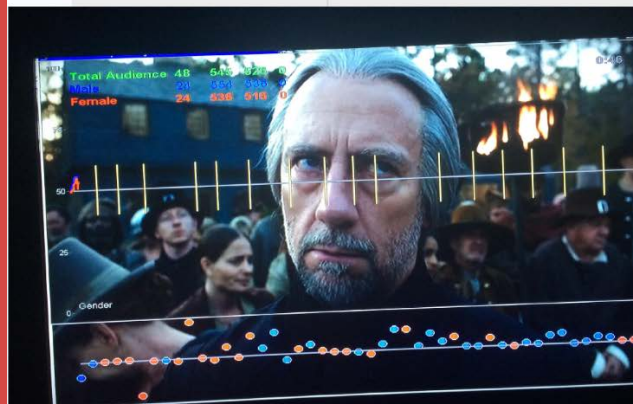


Diagram of our first robot

# VEX and our future

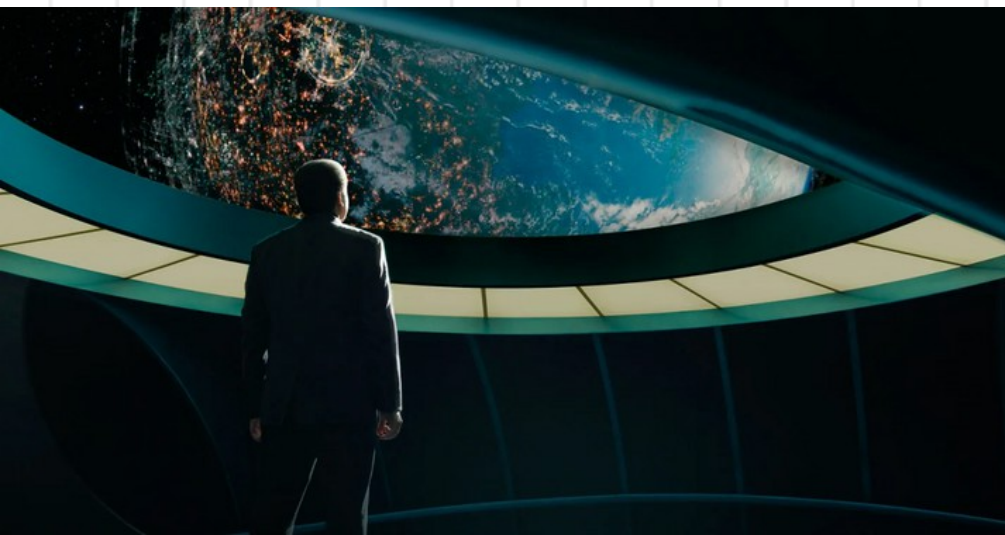


WILL'S HOUSE-A SATURDAY AFTERNOON

NARRATOR

Team 91343B sits and talks about what they learned and how VEX prepares them for their future careers. They discuss that VEX prepares them how to solve problems using a system with trial and error and how to be creative even when doing technical jobs. Competitions teach them persistence and to persevere even when it is difficult. Working as a team they learned they can get more done together and they have to have good communication. Most importantly, VEX prepares them to have fun, even with difficult jobs! Like one of their favorite movies says, "just keep swimming, just keep swimming" -Dory in *Finding Nemo*

FADE OUT



Team 91343B has permission to use all the images from Brannon and Mike and used these sites to research:

<https://www.indepthcine.com>

<https://www.scribophile.com/academy/how-to-format-a-screenplay>