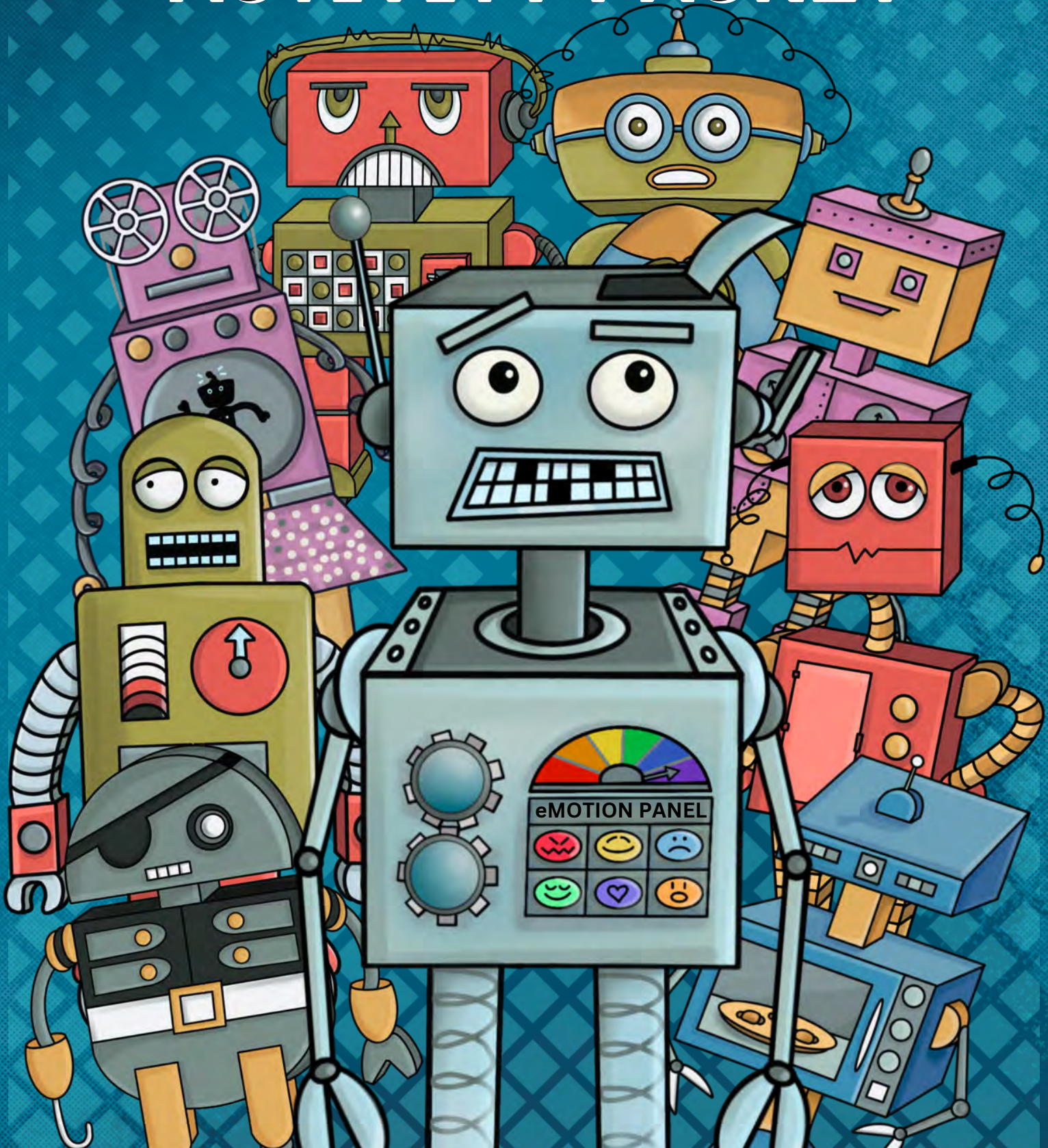


# PETEROMETER

## ACTIVITY PACKET



BY TRICIA FUGLESTAD





**MEET THE AUTHOR**

*PAGE 2*



**AUTHOR VISITS**

*PAGE 3*



**HOW AR WORKS**

*PAGE 4*



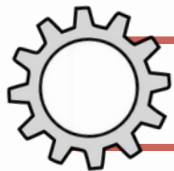
**AR COLORING PAGE**

*PAGE 5*



**MEET THE ROBOTS**

*PAGES 6-25*



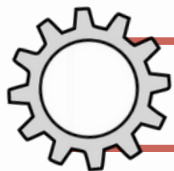
**NAME GAME**

*PAGE 26*



**ROLL & DRAW**

*PAGES 27-28*



**WAYS TO UNWIND**

*PAGES 29-31*



**CIRCUIT TEMPLATE**

*PAGES 32-37*



**e-MOTION GAME**

*PAGES 38-41*



**COLOR WHEEL**

*PAGE 42*



**WHICH BUTTON?**

*PAGE 43*



**DISCUSSION GAME**

*PAGE 44*



**RECHARGING**

*PAGE 45*



**ROOM DESIGN**

*PAGE 46*



**PETER'S WORLD**

*PAGES 47-48*



**TREASURE HUNT**

*PAGE 49*



**RESOURCES**

*PAGES 50-52*



## TRICIA FUGLESTAD

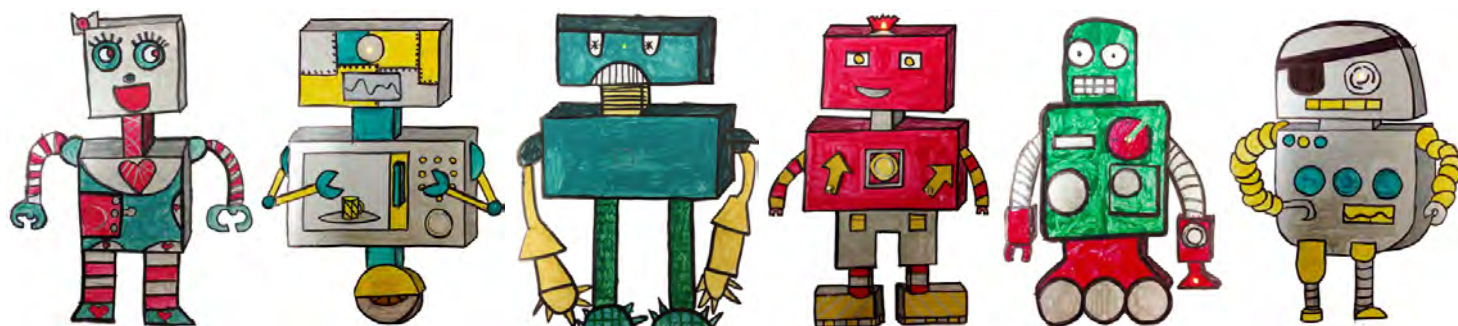
taught elementary art for 30 years in the same community outside of Chicago, IL. During this time she helped nearly 5,000 students from kindergarten to 5th grade grow as artists.

Tricia always wanted to have an art teacher growing up, but her small private school didn't offer art classes. When she became an art teacher, she realized that she was giving children what she always wanted for herself.

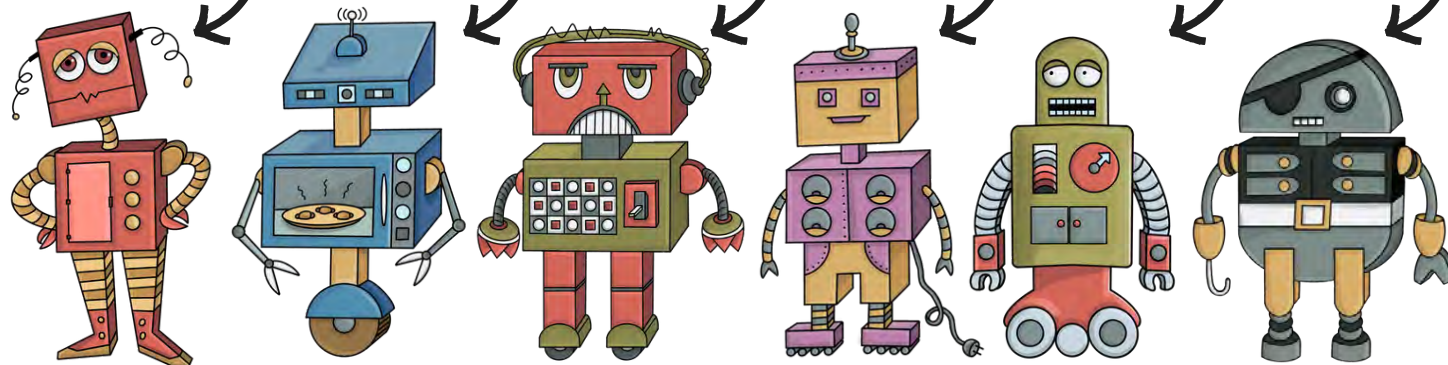
That has become a theme in her journey as an author. PETER O'Meter was written, illustrated, and animated with the hope it would be the book she would have wanted as a child.



Many of the characters in PETER O'Meter were inspired by the robot designs created by her amazing students. Look below to see the original robots and how they evolved for the story. Did this book inspire you to create an eMotion Bot? Post your eMotion Bot on our Padlet Gallery [bit.ly/eMotionBotGallery](http://bit.ly/eMotionBotGallery).



BY LEILANI      BY CHARLOTTE      BY PETER      BY RACHEL      BY KACPER      BY EMILY



ELLA TRONIC

MIKE-ROWAVE

REGGIE-LATOR

MAGGIE NETIC

IAN-IZATION

ARGH-U-LOT-BOT

@TRICIAFUGLESTAD (TWITTER)

@FUGLEFUN (IG)

FUGLEFUN@GMAIL.COM

# VIRTUAL AUTHOR VISITS

## ANIMATED READ-A-LOUD WITH TRICIA FUGLESTAD

INVITE TRICIA TO READ THE **EXCLUSIVE ANIMATED** VERSION OF HER BOOK, **PETER O'METER** DURING A VIRTUAL AUTHOR VISIT FOR YOUR SCHOOL. AS AN ELEMENTARY TEACHER, SHE CAN CUSTOMIZE HER VISIT TO INCLUDE BOOK RELATED ACTIVITIES CONNECTED TO **SEL, ART, AND STEAM.**



Tricia can do anything from a 15 minute read aloud to an in-depth Q & A session on the hidden nuggets of meaning embedded through out the story along with a step-by-step emotional robot draw-along. She will work with you to customize an experience for your group.



**15 MINUTE  
READ ALOUD**



**\$150**

\$100 with purchase of 30+ signed copies of PETER O' Meter (one month notice)

**30 MINUTE  
READ & CHAT**



**\$300**

\$250 with purchase of 30+ signed copies of PETER O' Meter (one month notice)

**1 HR READ,  
CHAT, & DRAW**



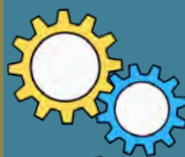
**\$500**

\$450 with purchase of 30+ signed copies of PETER O' Meter (one month notice)



Tricia Fuglestad (Fuglefun)

**FUGLEFUN@GMAIL.COM**



Include the following:

- Name, email, phone
- Name & address of school
- Choice of visit (discounts are available for multiple sessions)
- Audience size
- Preferred dates/times (Plan ahead for signed books in time for the virtual visit)

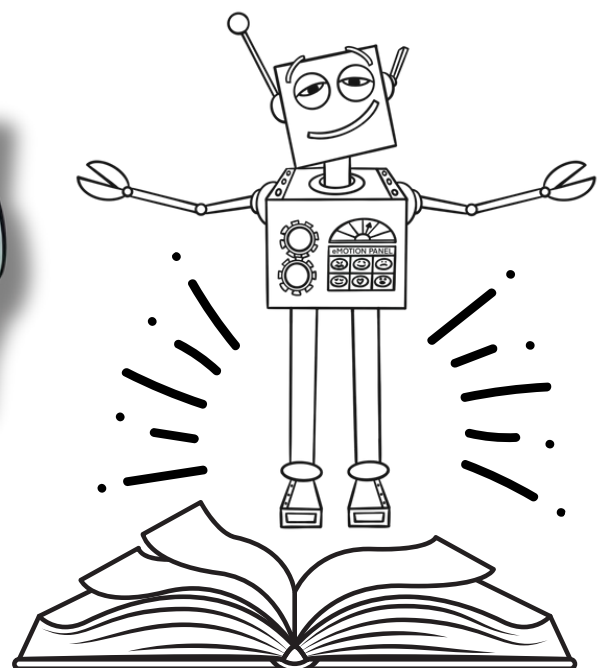
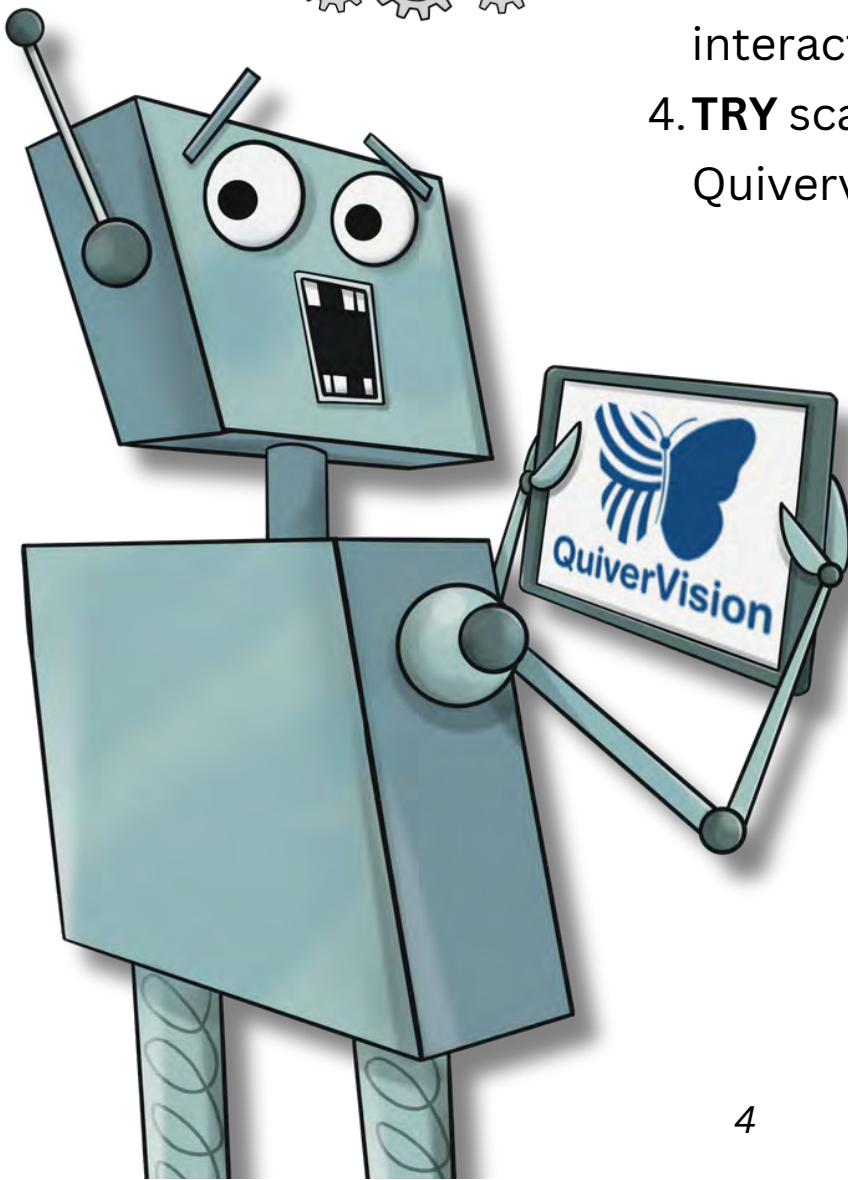


# HOW THE AR WORKS

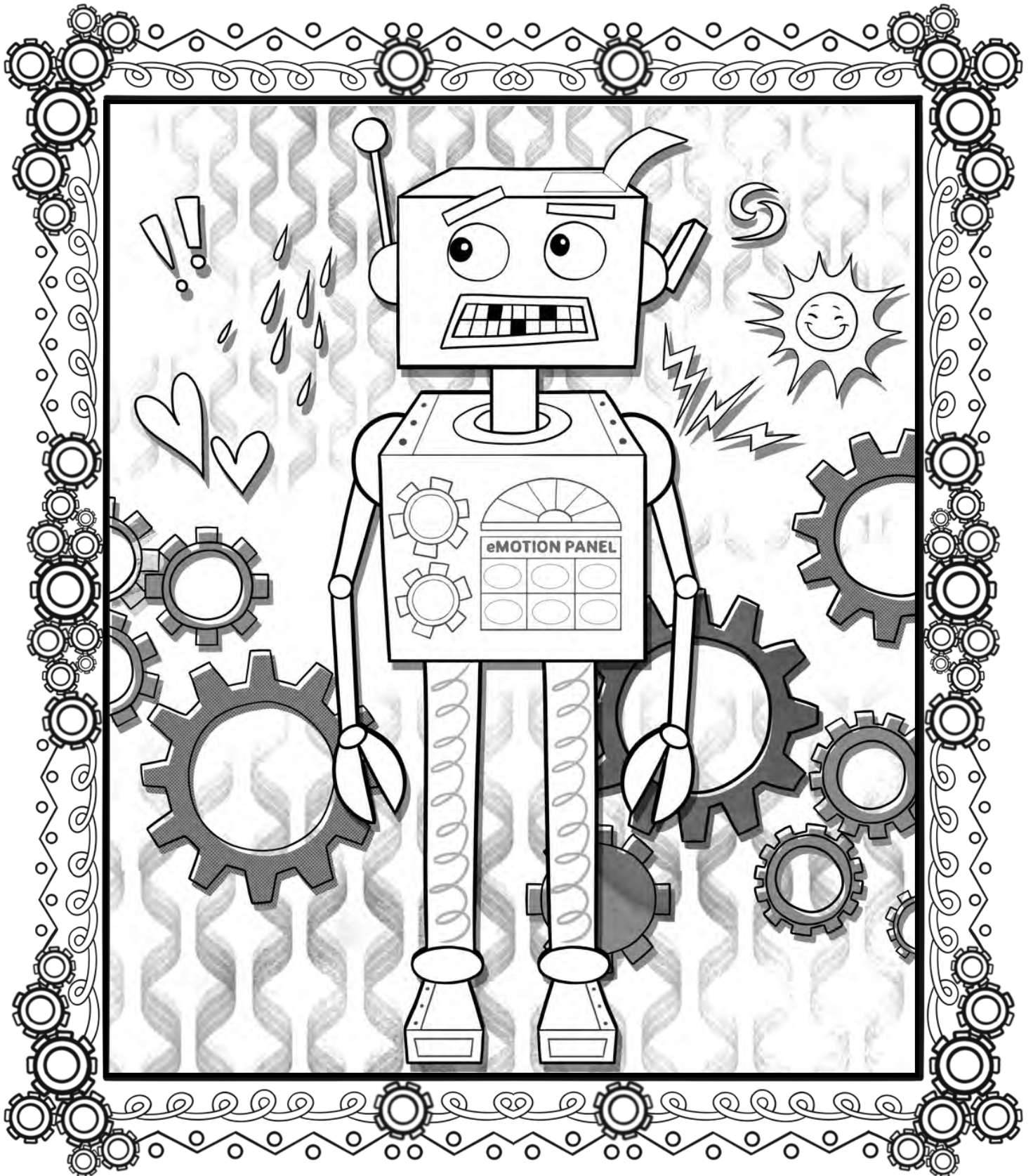
THIS PACKET OF PETER O' METER RELATED ACTIVITIES CONTAINS AUGMENTED REALITY CONTENT POWERED BY QUIVERVISION



1. **SCAN** this QR code to access and download the Quiver app\* on your iOS or Google device.
2. **OPEN** the app and scan the QR code again to unlock all of the PETER O'Meter augmented reality experiences in this book.
3. **START** by coloring PETER and then scanning him for an amazing interactive 3D experience.
4. **TRY** scanning any page that has a Quivervision logo for AR content.



*\*No Quiver license or subscription is needed to activate the pages in this activity packet!*

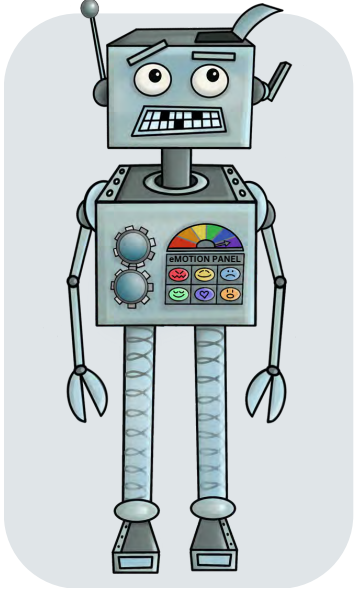


**Reader, Reader,** help PETER!  
Please give your advice.  
What button should he push  
on his eMotion device?

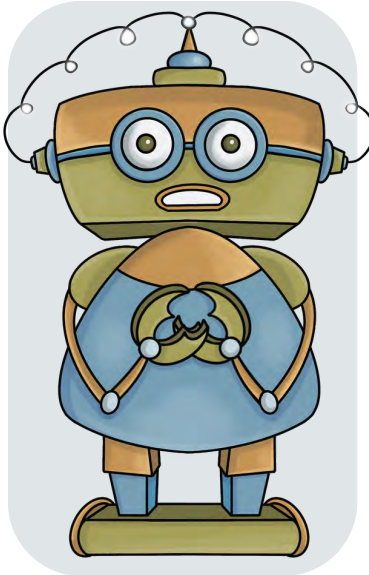


# MEET THE ROBOTS

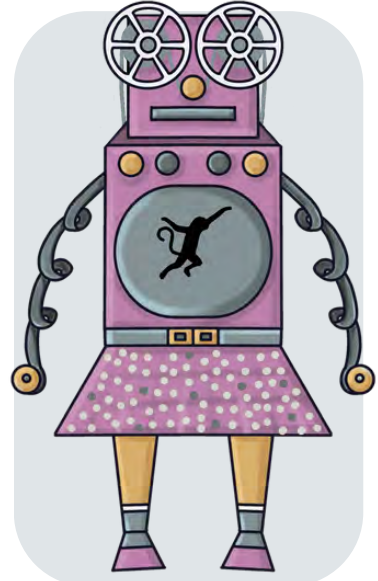
**DIRECTIONS:**  An augmented reality activity powered by Quiver.  
By Tricia Fuglestad, Inspired by PETER O'Meter



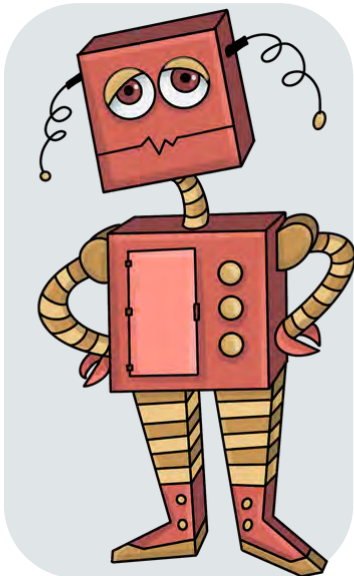
**PETER O'METER**



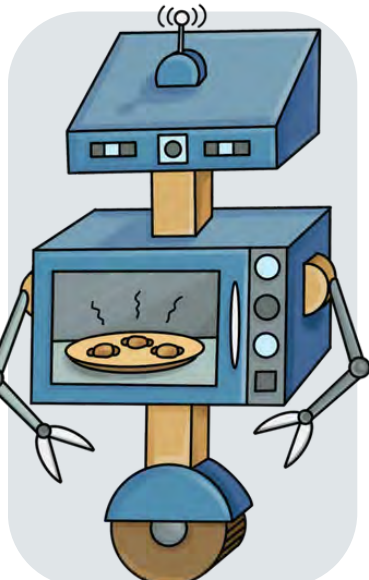
**ANITA TUNEUP**



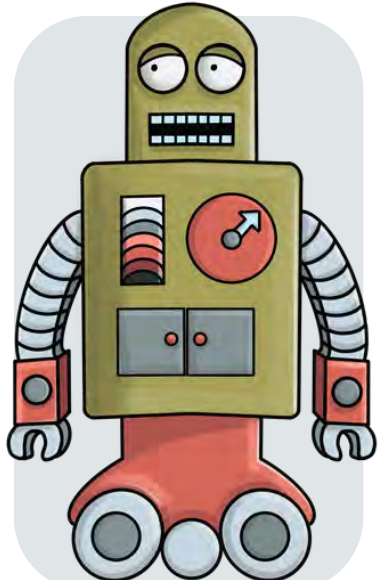
**ANNA LOG**



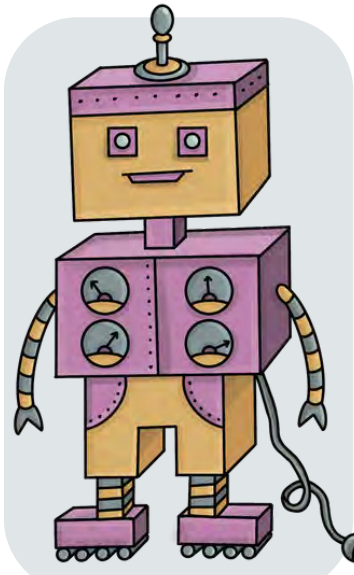
**ELLA TRONIC**



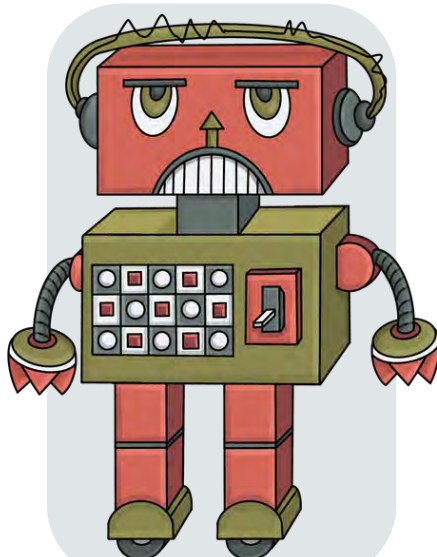
**MIKE-ROWAVE**



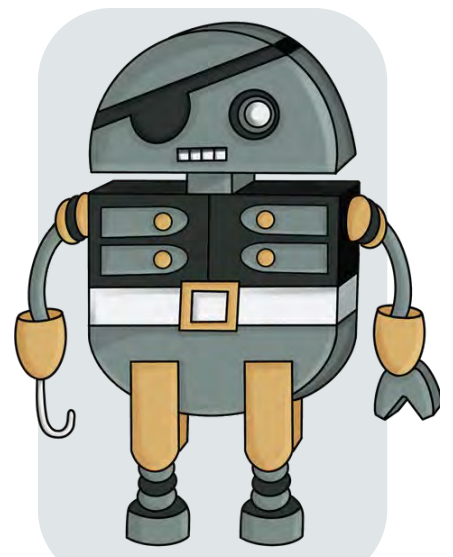
**IAN-IZATION**




**MAGGIE NETIC**

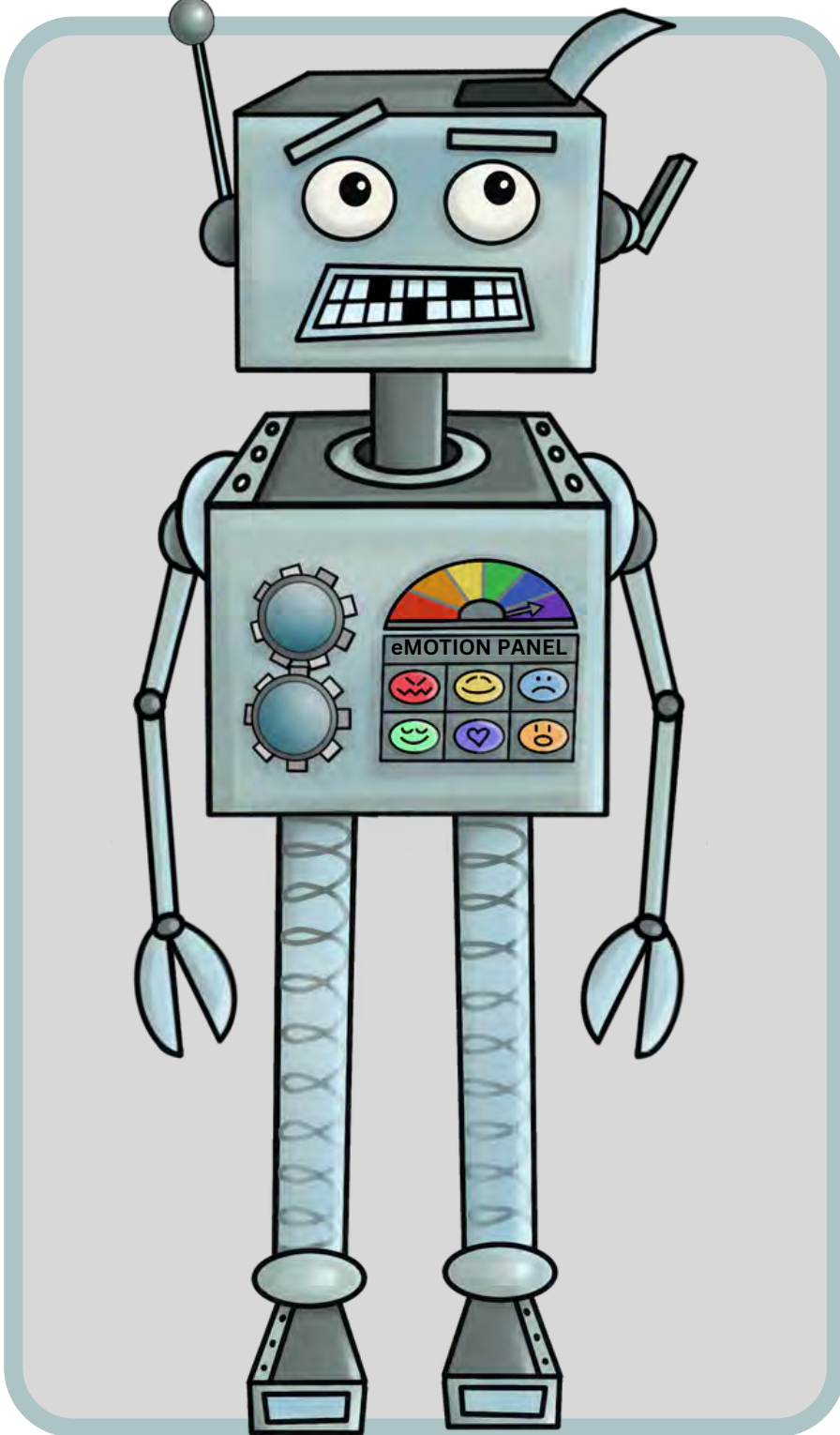


**REGGIE-LATOR**



**ARGH-U-LOT BOT**

**DIRECTIONS:** Scan the QR code using Quiver app to watch 



**FUN FACT:**

My name,  
**P.E.T.E.R.**  
is actually an  
acronym.

It stands for:

**Programmable  
Empathetic  
Touch-sensitive  
Emotional  
Robot**

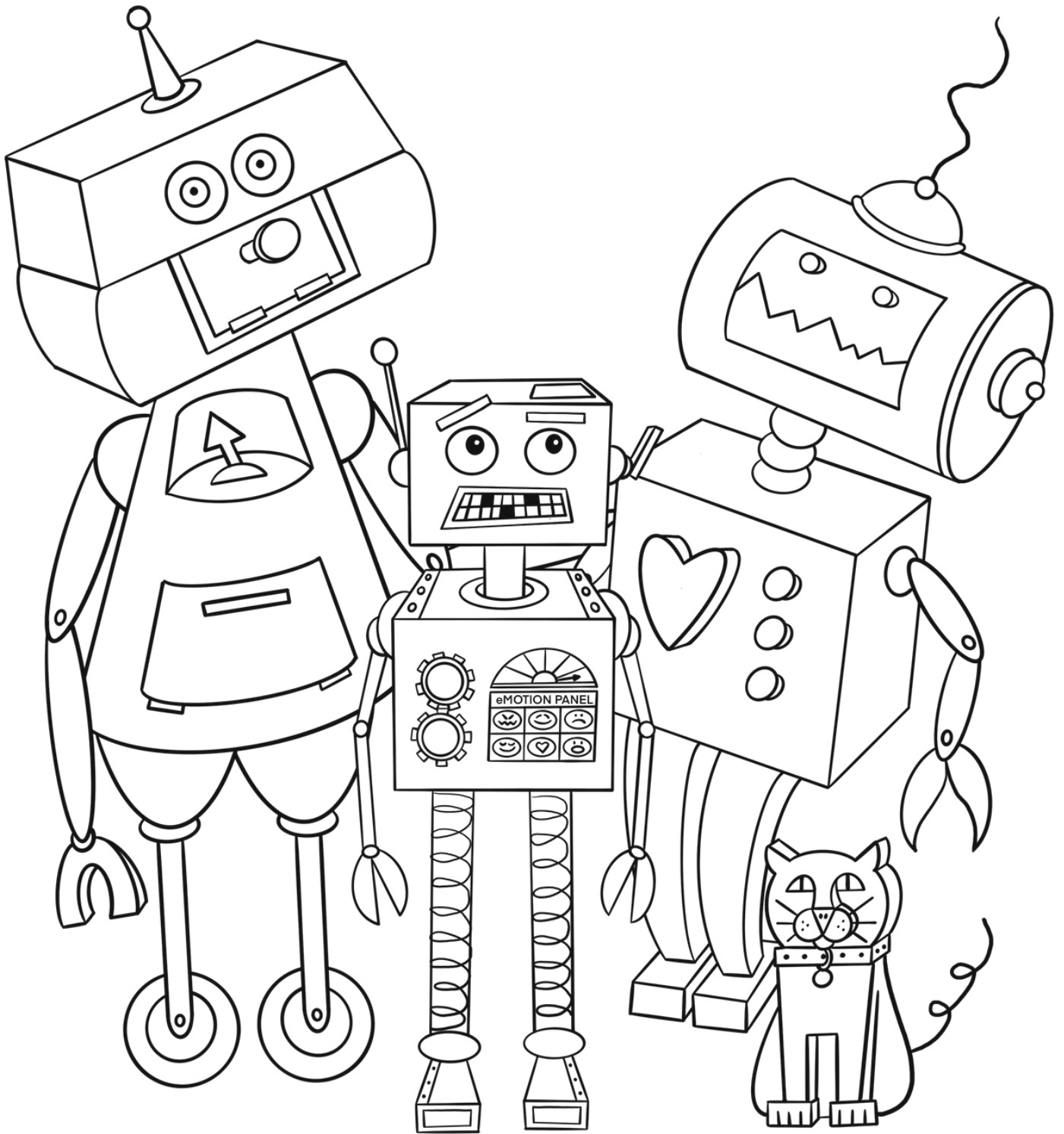
**DISCUSSION QUESTION:**

Before PETER activates an eMotion on his panel he gets a physical response in his motor, computer, or components. What clues does your body give you about feelings?




# MEET THE O'METERS

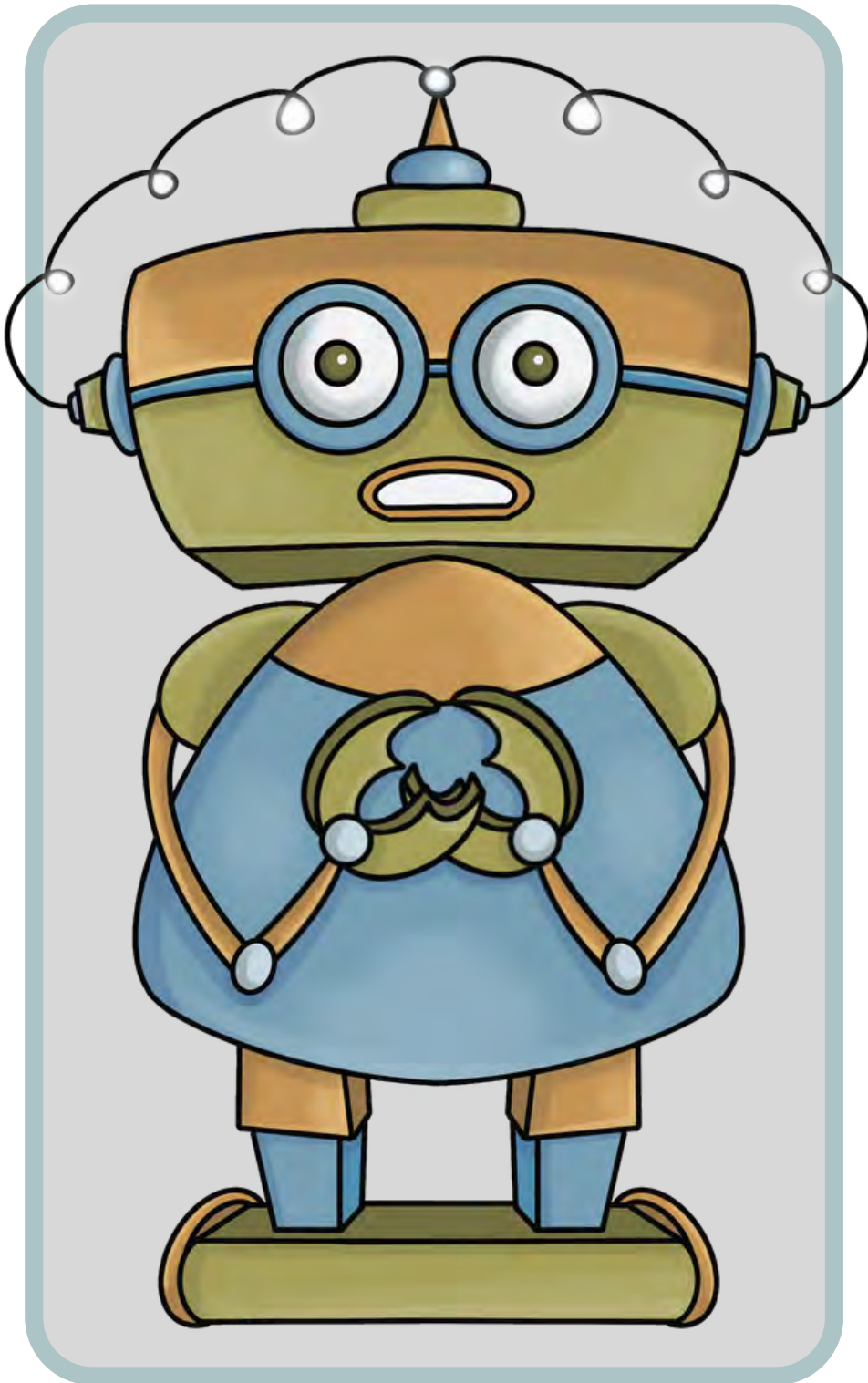
*Color PETER and his family*



Do-Dad, AlumiMum, PETER, and Mega Bytes



**DIRECTIONS:** Scan the QR code using Quiver app to watch 



**FUN FACT:**

Anita Tuneup has a built in hoverboard so she can get around quickly.

There is a partial wall in her classroom that hides her apartment. Yes, she lives in her classroom!

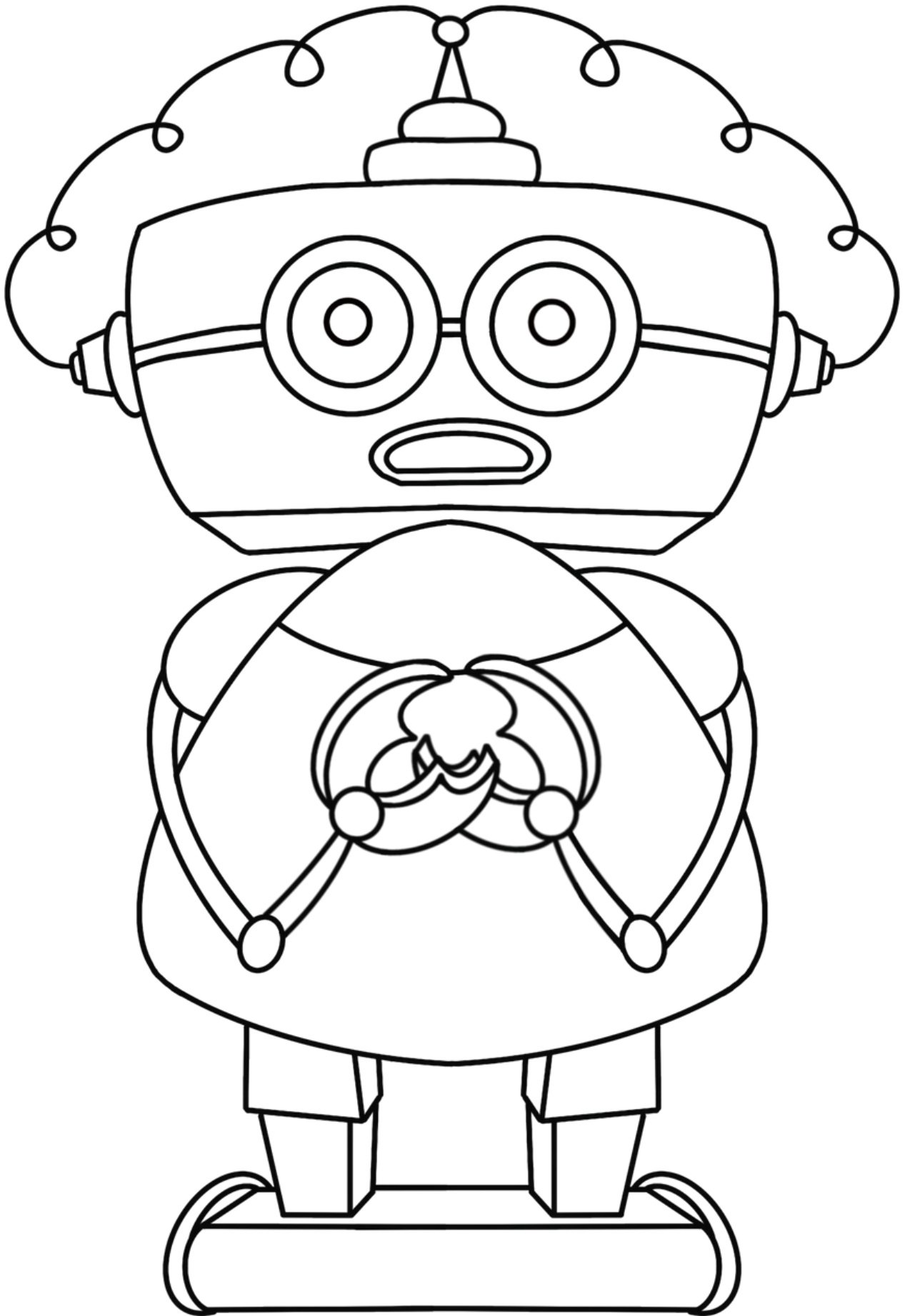
**DISCUSSION QUESTION:**

Anita Tuneup is a robotics teacher. Can you name some of the technology she uses in her classroom? What is similar to your classroom experience? What is different?

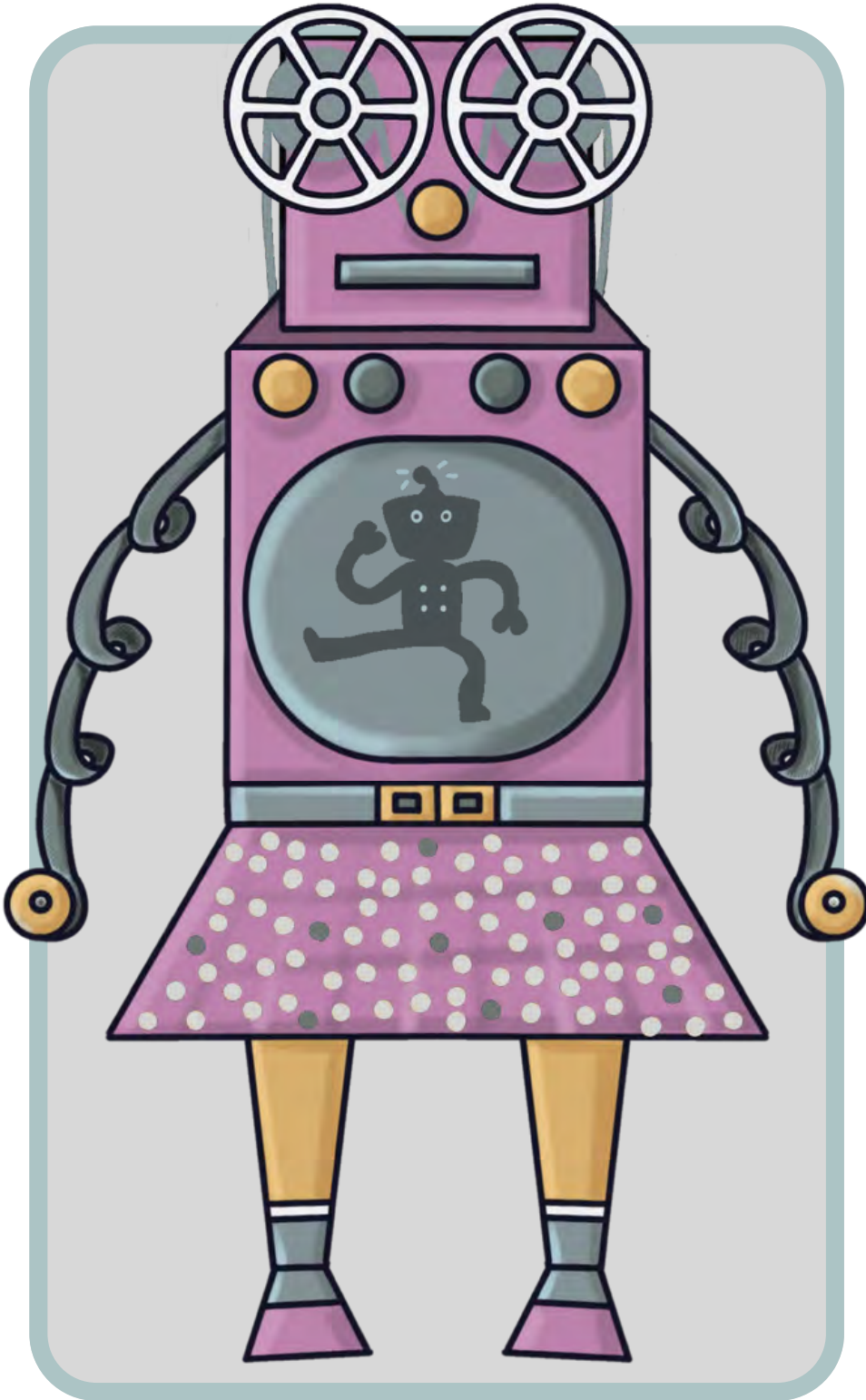


# MEET ANITA TUNEUP

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**DIRECTIONS:** Scan the QR code using Quiver app to watch



### **FUN FACT:**

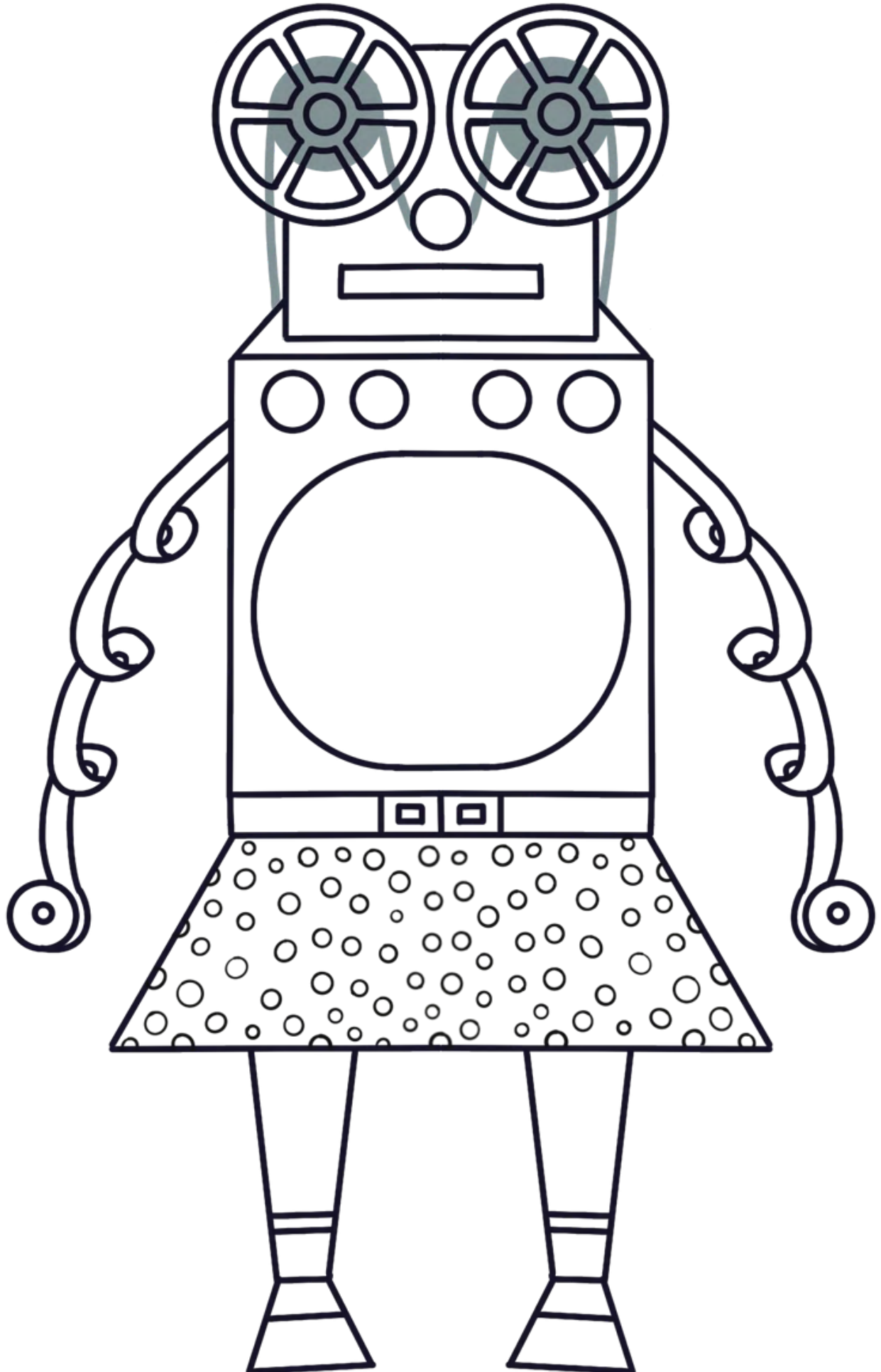
Anna Log is an entertaining robot. She always has a movie or tv show on her display. One day she hopes to be a movie projector so she can put others in the spotlight.

### **DISCUSSION QUESTION:**

Anna Log's name comes from the word *analog* which refers to objects that represent information in a continuous way like a clock with hands. Name some other analog objects.



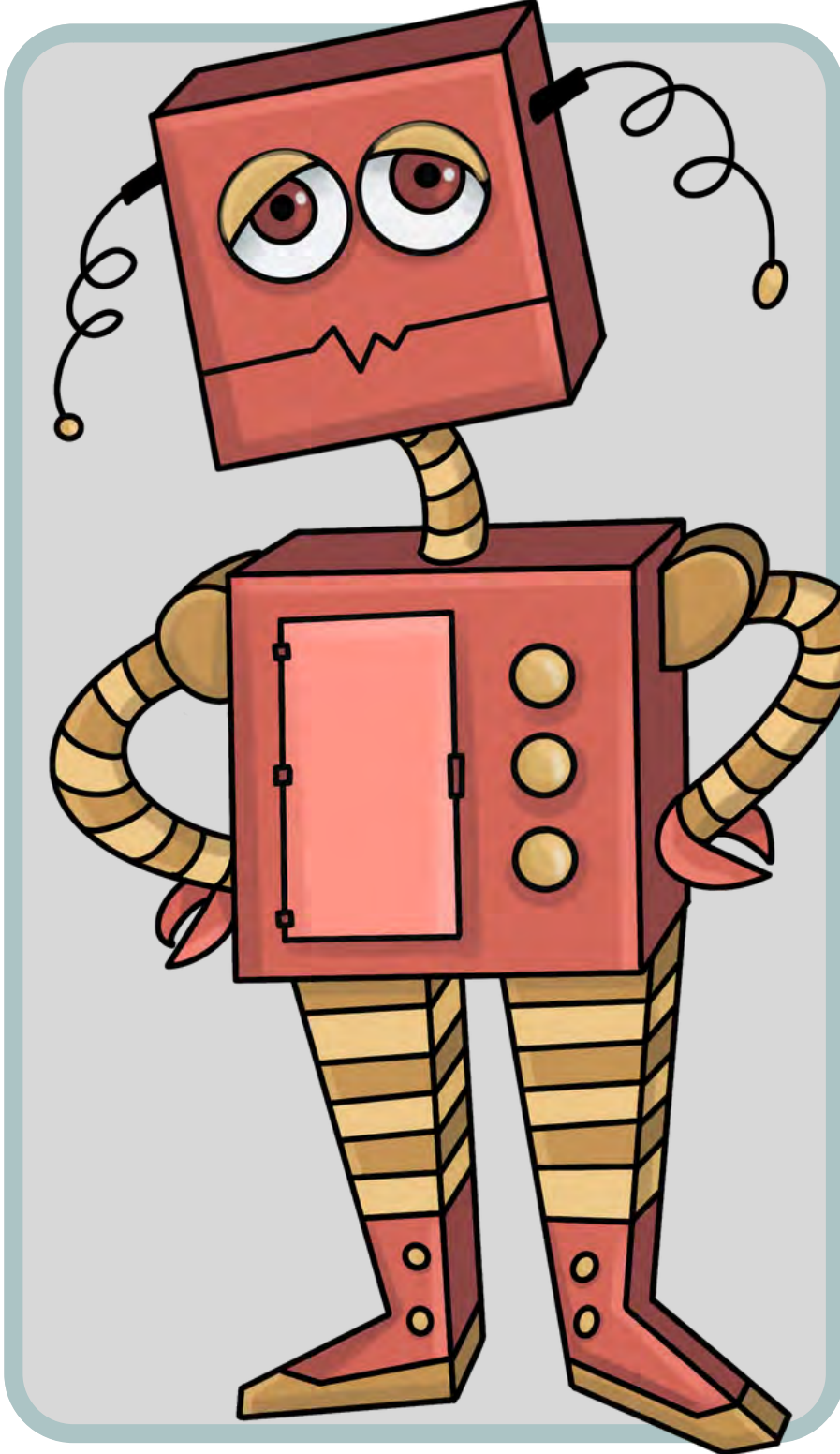
# MEET ANNA LOG





# MEET ELLA TRONIC

**DIRECTIONS:** Scan the QR code using Quiver app to watch



**FUN FACT:**

Ella is an Electro SmartBOT 9000 who enjoys electronics.

She is the robotics club president at Tinkertron school.

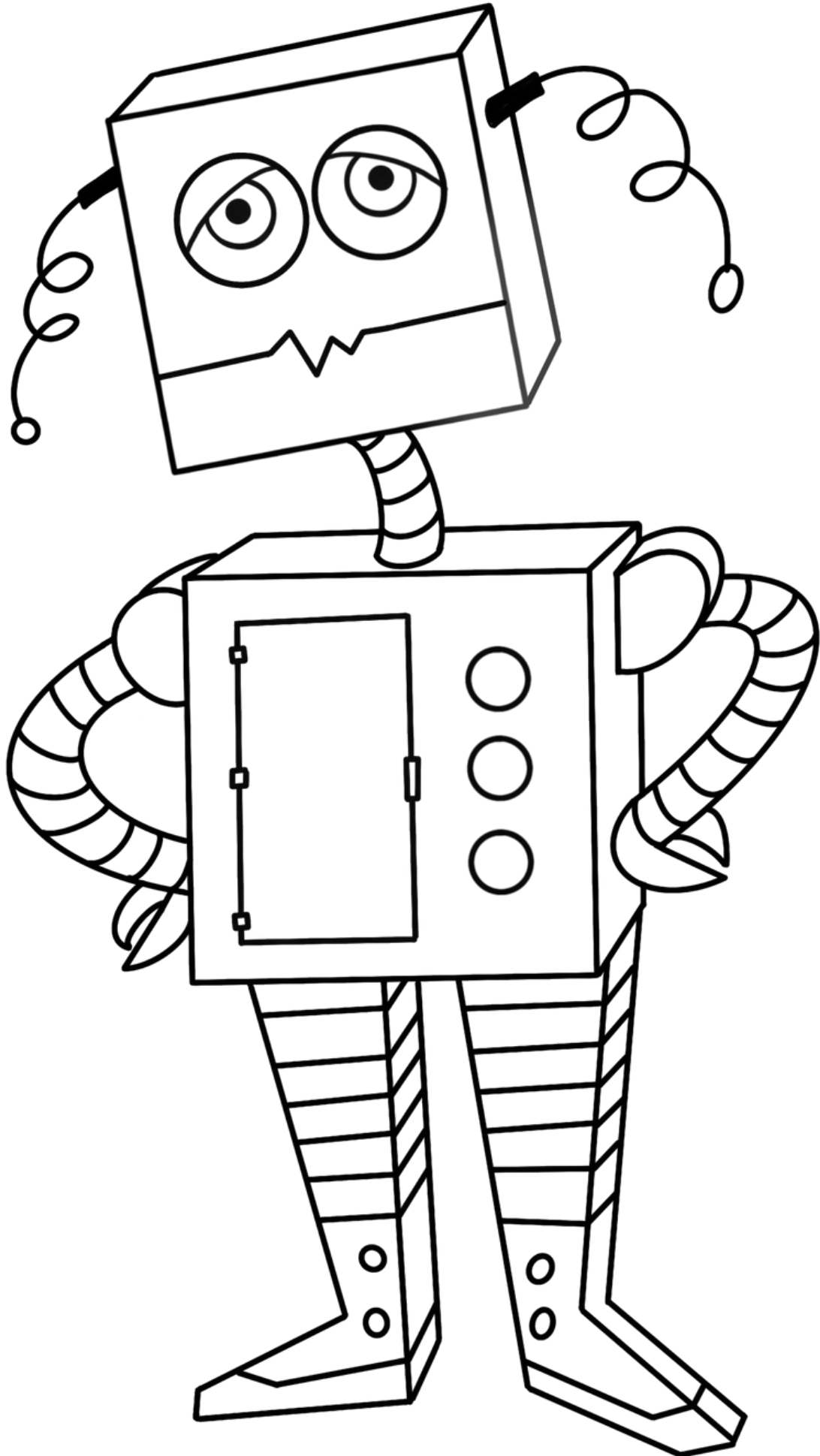
She wears zero gravity boots and operates drones from her control panel.

**DISCUSSION QUESTION:**

Ella designed the Circuit Maker Game for robots to play at recess where everyBOTy gathers in a circle holding hands. What happened to the robots when they did this?



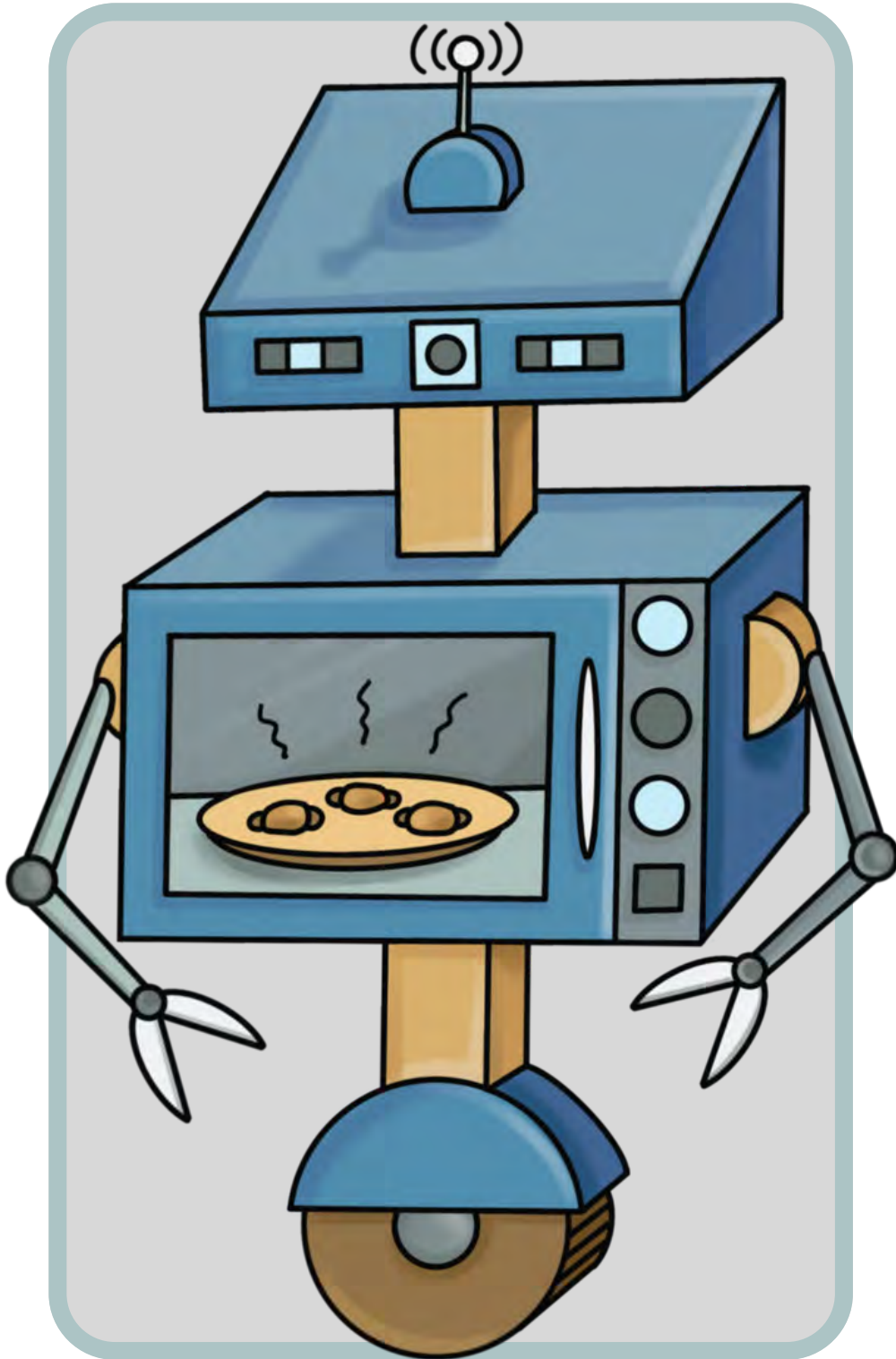
# MEET ELLA TRONIC





# MEET MIKE-ROWAVE

**DIRECTIONS:** Scan the QR code using Quiver app to watch



**FUN FACT:**

Mike-rowave monitors voltage and heats up snacks when energy levels are low.

EveryBOTy wants to sit next to him in class because he believes robots should never be hungry at school.

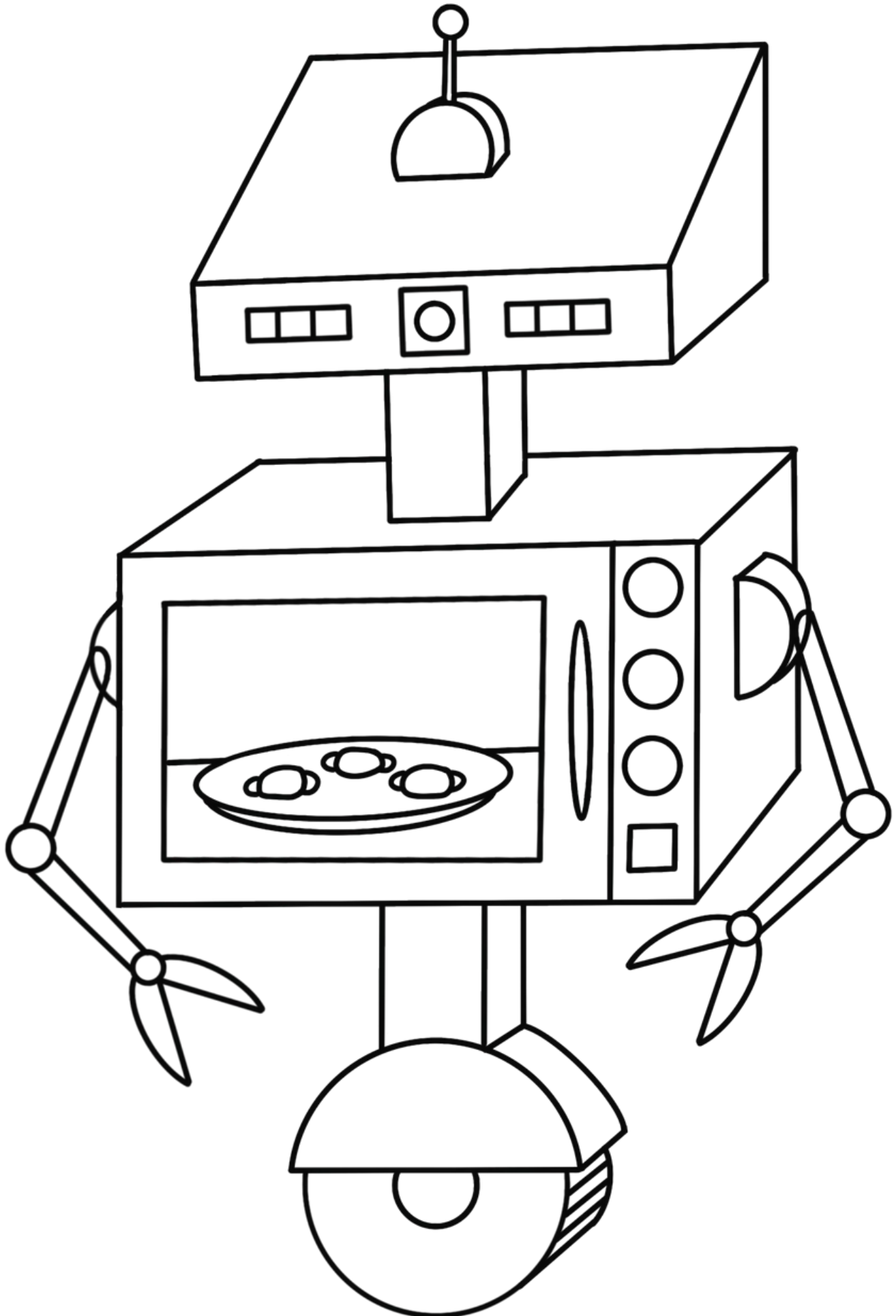
**DISCUSSION QUESTION:**

Microwaves use energy to make water molecules inside our food vibrate really fast, which creates heat and cooks food quickly. What would you like Mike-rowave to heat for you?





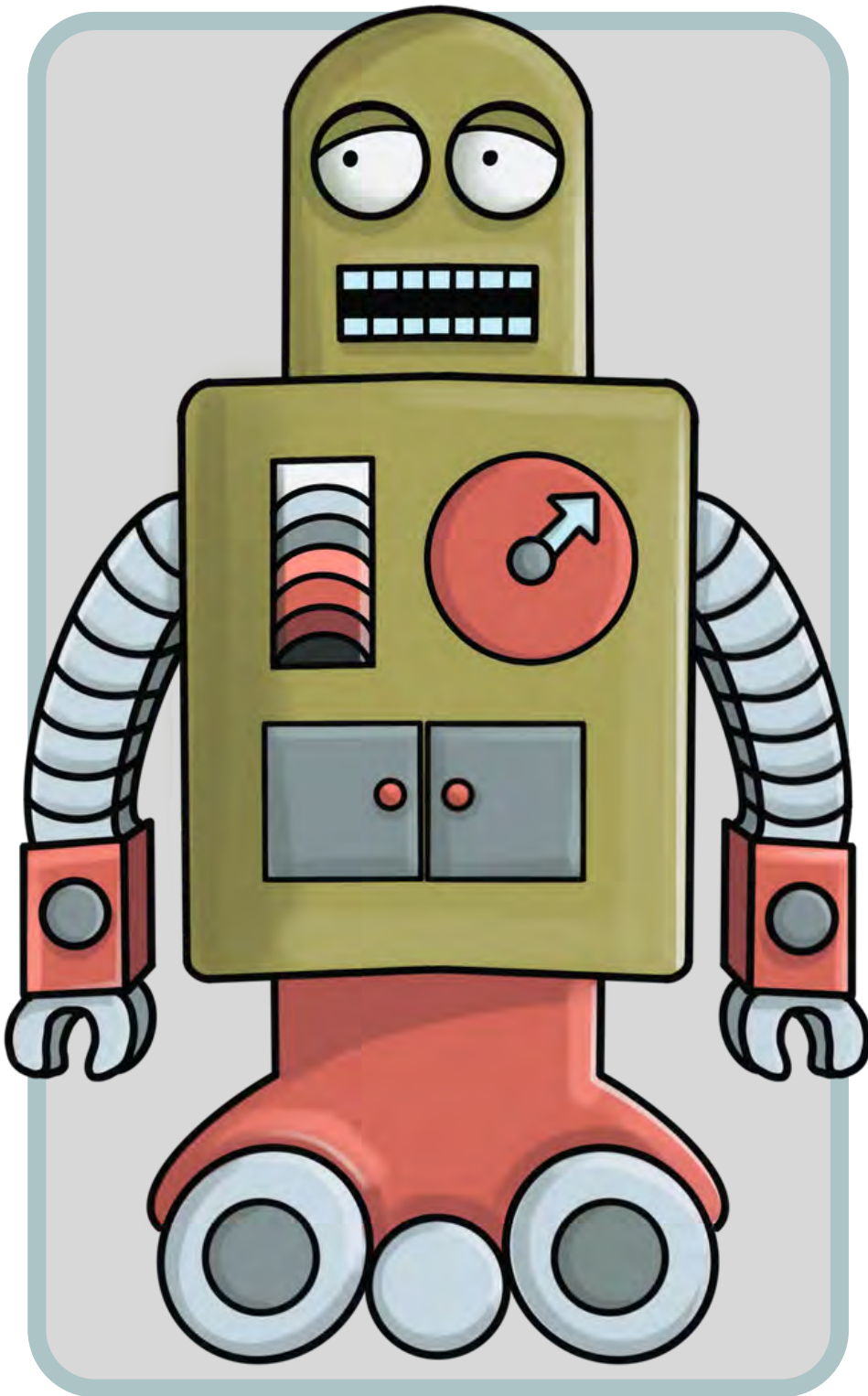
# MEET MIKE-ROWAVE





# MEET IAN-IZATION

**DIRECTIONS:** Scan the QR code using Quiver app to watch



## **FUN FACT:**

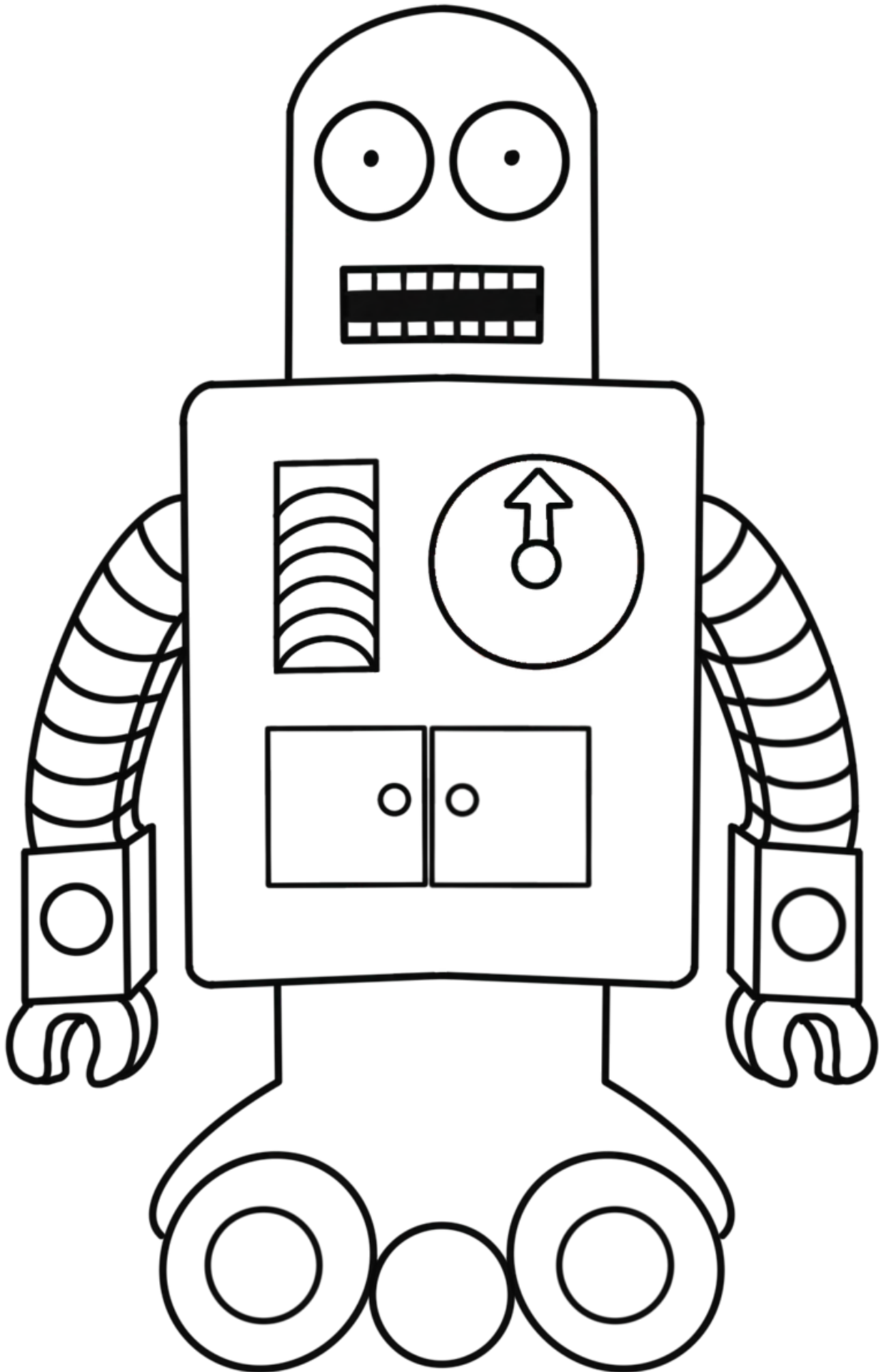
Ian-ization is super friendly. He helps bots with different ideas come together to bond and make new friendships. Very rarely do you find him alone in his element.

## **DISCUSSION QUESTION:**

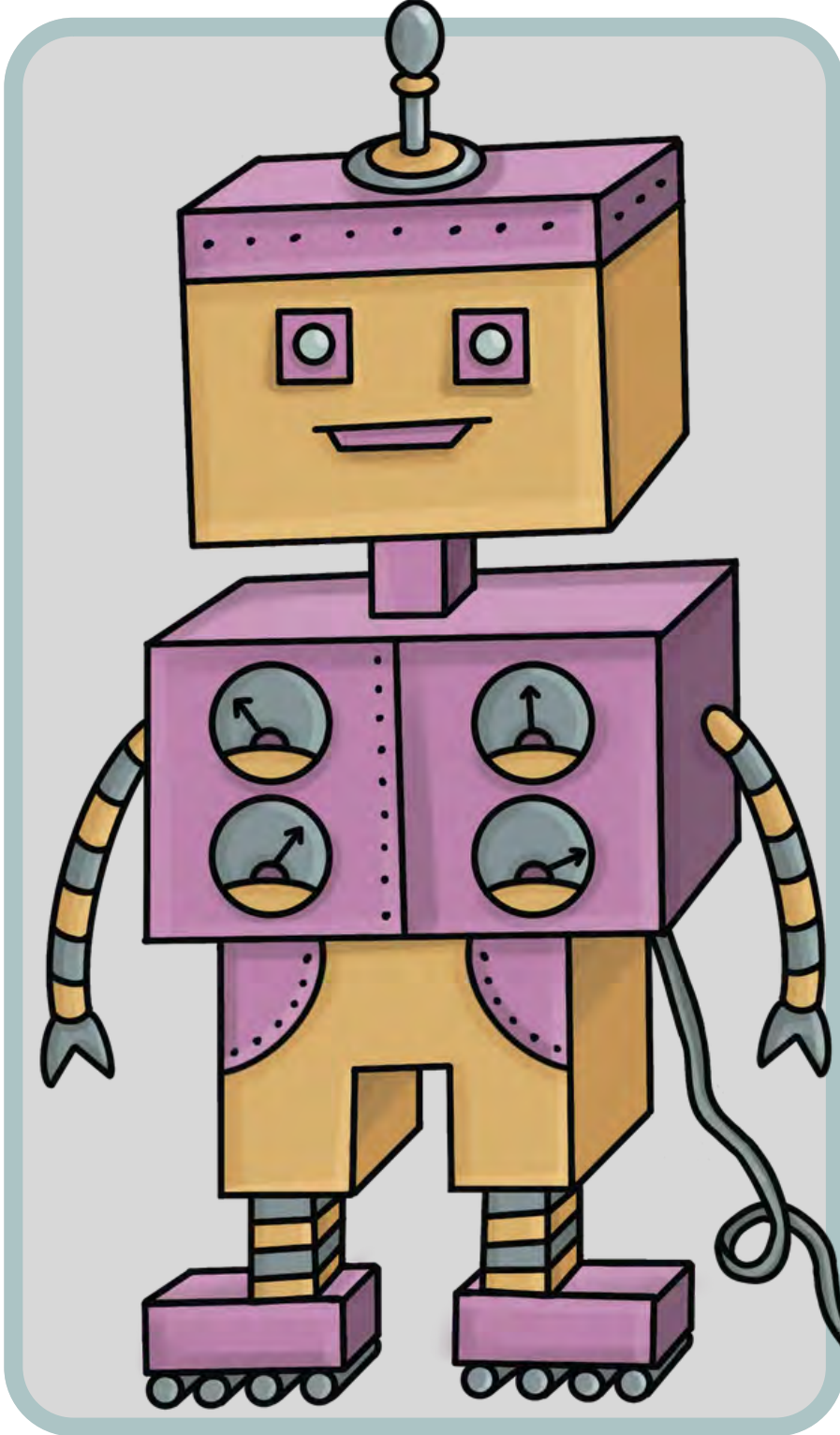
Ian-ization tries to find ways to get along with everyBOTy. What are some strategies you can use to resolve conflicts when you talk to someone with an opposite opinion?



# MEET IAN-IZATION



**DIRECTIONS:** Scan the QR code using Quiver app to watch

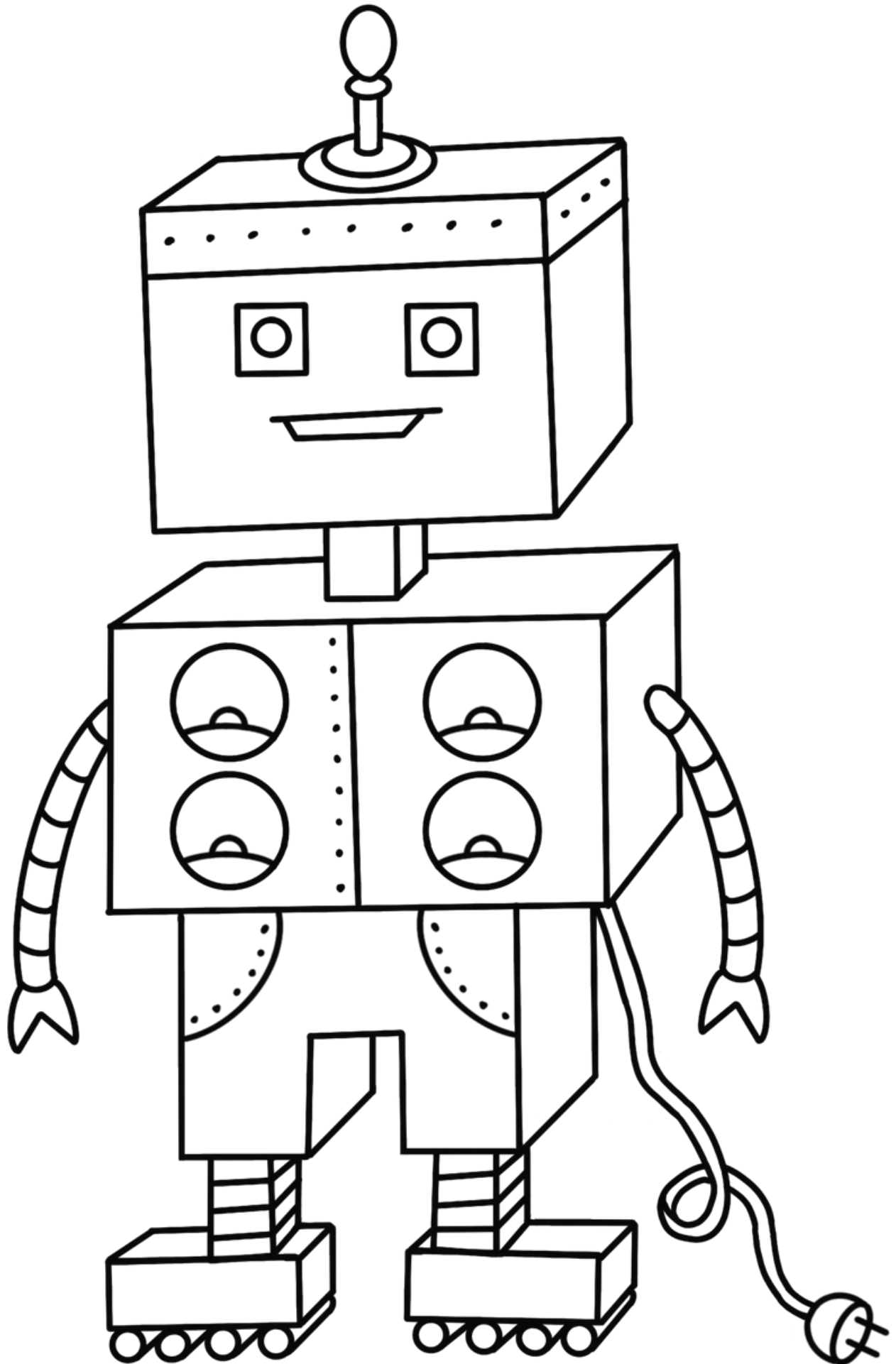



**FUN FACT:**  
EveryBOTy is drawn to Maggie Netic's warm and caring personality. She looks out for others with her gauges that monitor location, temperature, precipitation, and wind. She's learning to play the theremin.

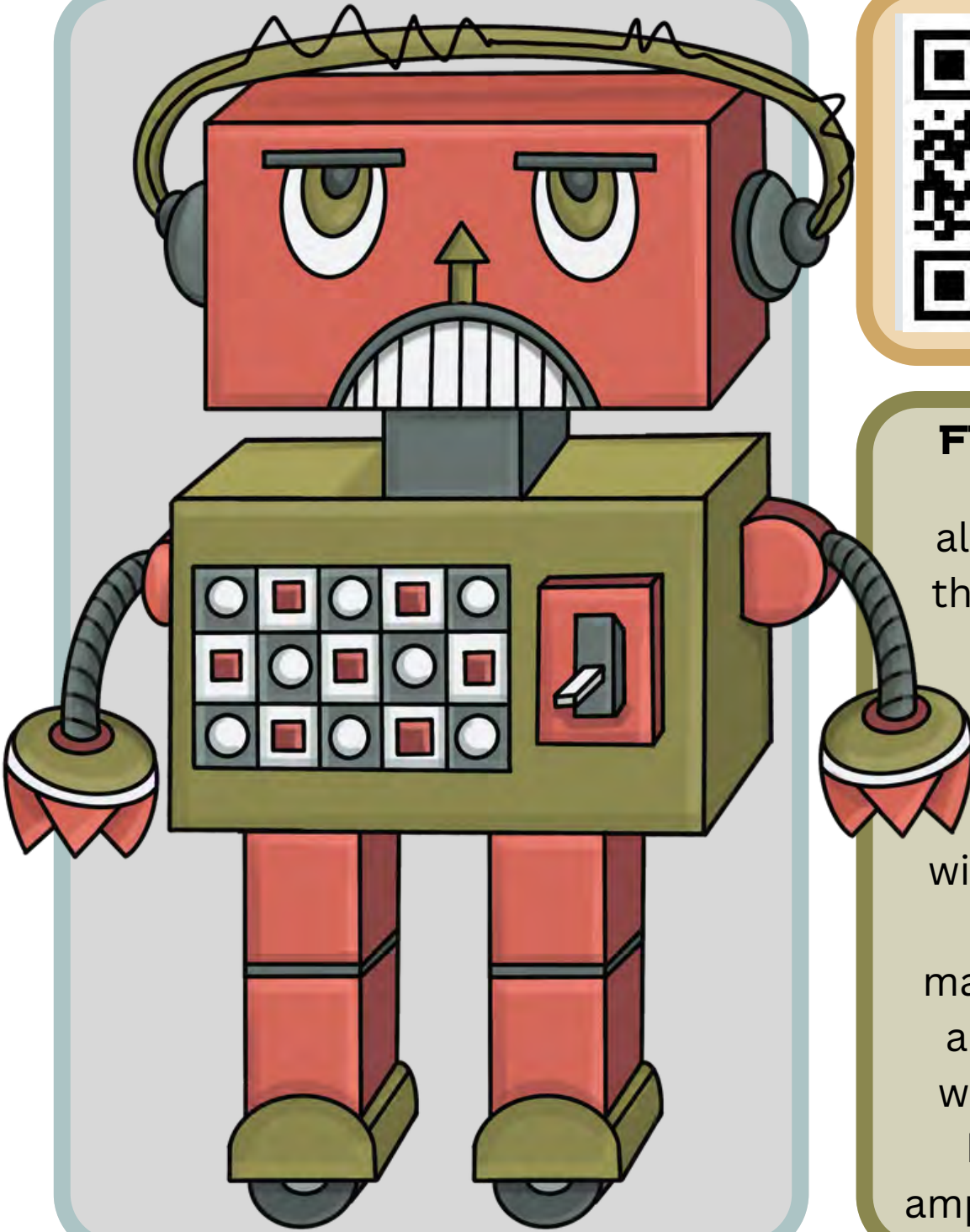
**DISCUSSION QUESTION:**  
Maggie uses her gauges in every situation to predict problems and warn others before things go wrong. What kinds of problems do her gauges help prevent?



# MEET MAGGIE NETIC



**DIRECTIONS:** Scan the QR code using Quiver app to watch 



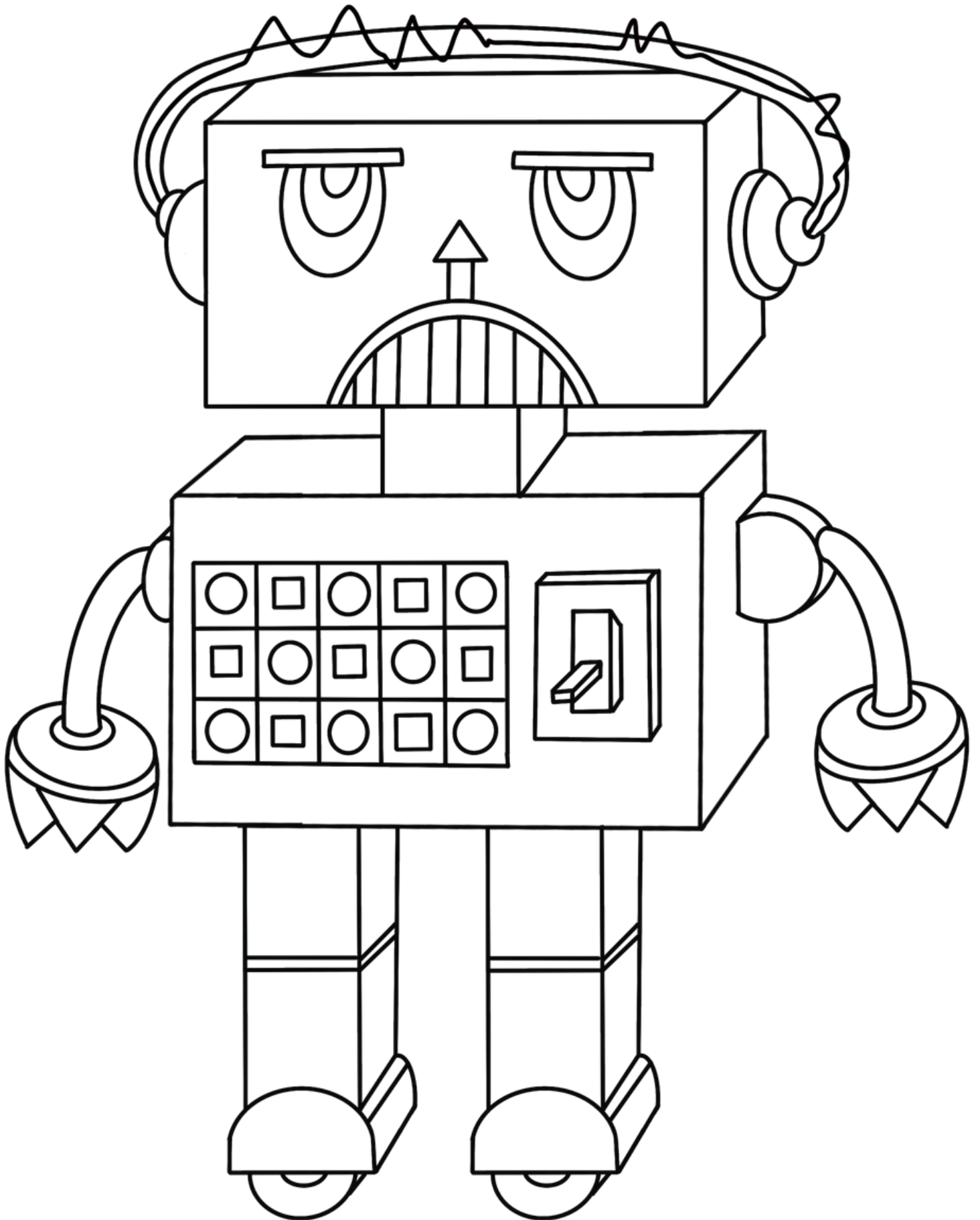
**FUN FACT:**  
Reggie-lator always follows the rules. He is constantly checking in with everyBOTY with his AC/DC voltmeter to make sure they are all in good working order. He can really amp up a party.

**DISCUSSION QUESTION:**

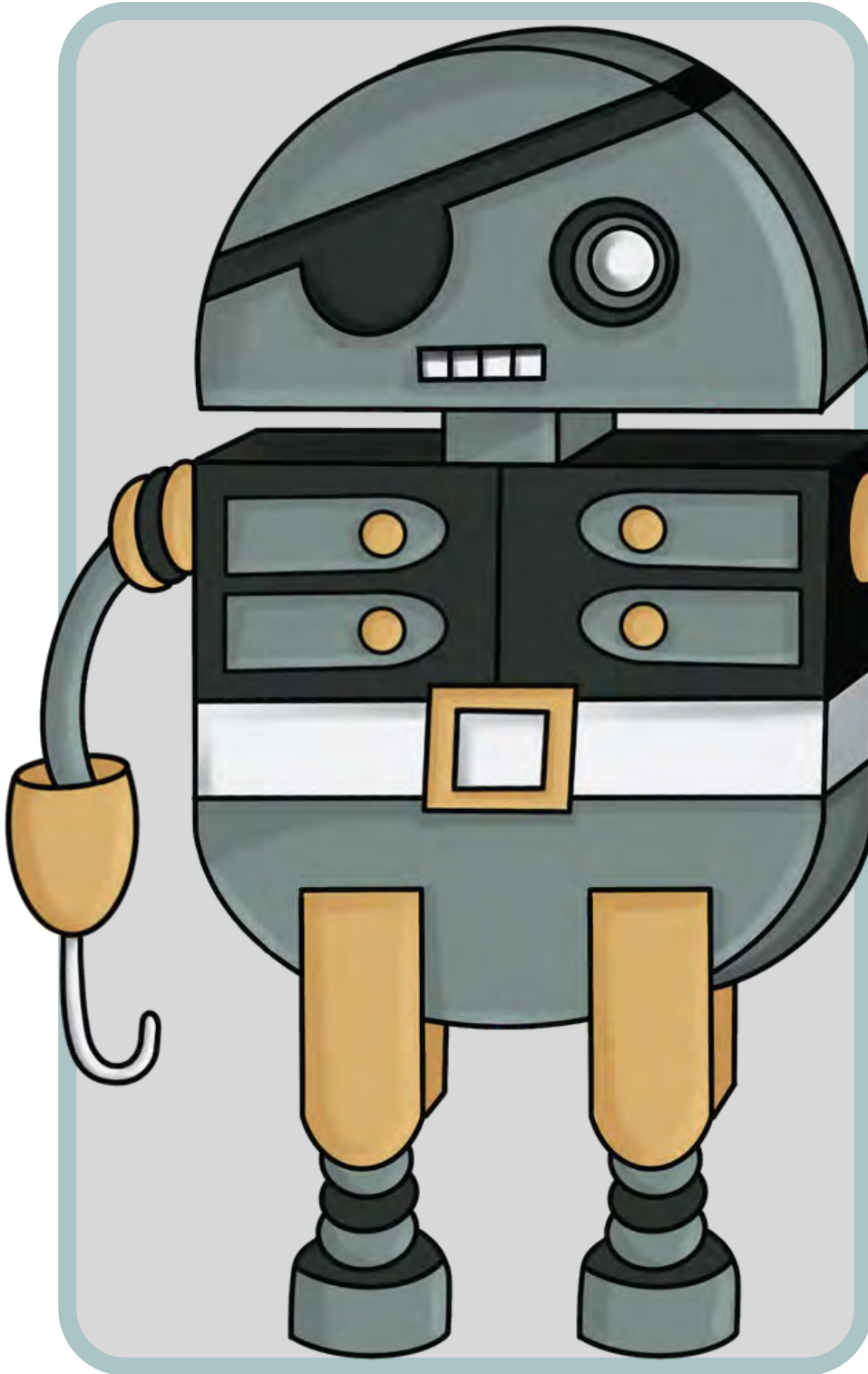
In the story, Reggie-lator discovers that his classmate is running low on battery and suggests she recharge. What do you like to do to recharge your batteries when you're low?



# MEET REGGIE-LATOR



**DIRECTIONS:** Scan the QR code using Quiver app to watch



**FUN FACT:**

Some people think Argh-u-lot Bot likes to argue, but really, he just says "ARGH!" a lot as a pirate themed robot. His eye expands into a telescope.

**DISCUSSION QUESTION:**

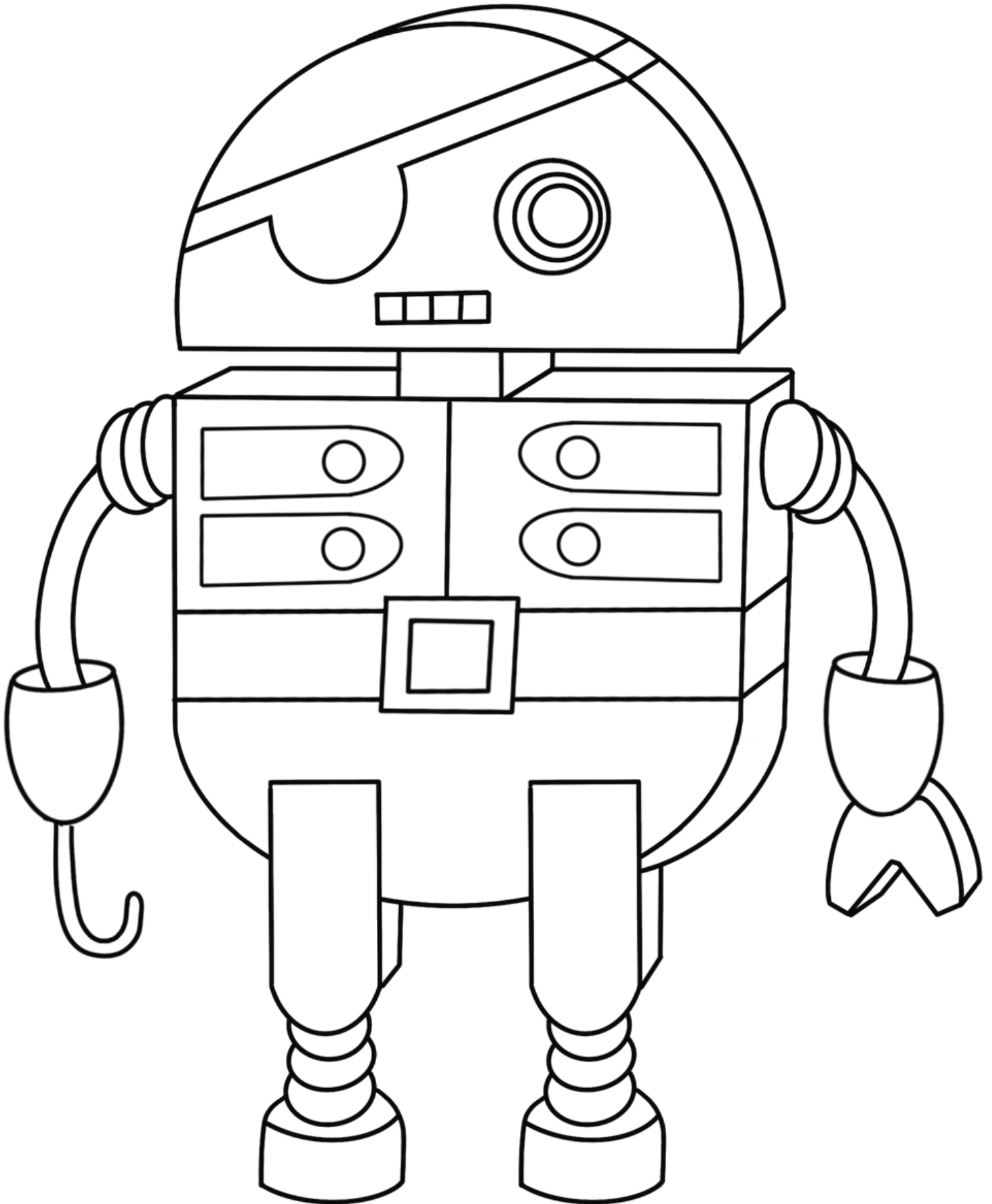
Argh-u-lot Bot loves Sept. 19th, *International Talk Like a Pirate Day*. It's the one day he can fully understand what everyBOTY says. Can you speak like a pirate?



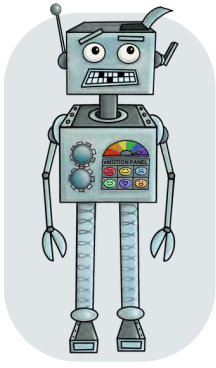


# MEET ARGH-U-LOT BOT

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## DIRECTIONS: Share your thoughts from the discussion questions.



Before PETER activates an eMotion on his panel he gets a physical response in his motor, computer, or components. What clues does your body give you about feelings?



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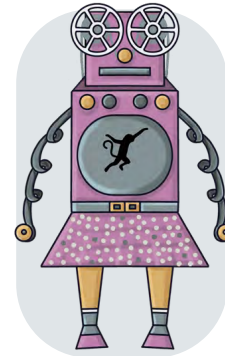
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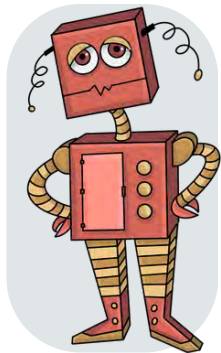
Anna Log's name comes from the word *analog* which refers to objects that represent information in a continuous way like a clock with hands. Name some other analog objects.



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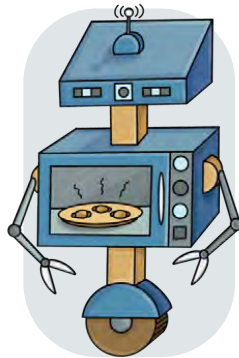
Ella designed the Circuit Maker Game for robots to play at recess where everyBOTy gathers in a circle holding hands. What happened to the robots when they did this?



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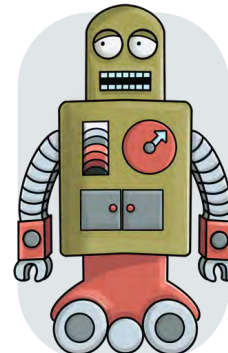
Microwaves use energy to make water molecules inside our food vibrate really fast, which creates heat and cooks food quickly. What would you like Mike-rowave to cook for you?



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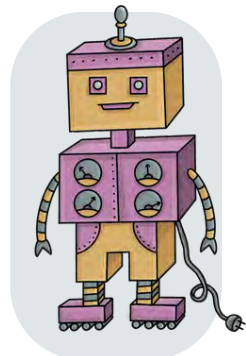
Ian-ization tries to find ways to get along with everyBOTy. What are some strategies you can use to resolve conflicts when you talk to someone with an opposite opinion?



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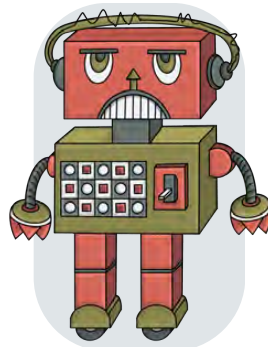
Maggie uses her gauges in every situation to predict problems and warn others before things go wrong. What kinds of problems do her gauges help prevent?



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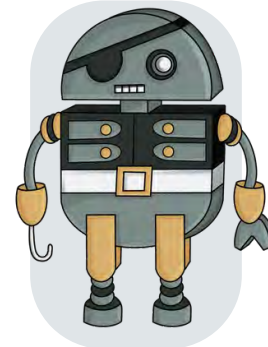
In the story, Reggie-lator discovers that his classmate is running low on battery and suggests she recharge. What do you like to do to recharge your batteries when you're low?



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Argh-u-lot Bot loves Sept. 19th, *International Talk Like a Pirate Day*. It's the one day he can fully understand what every-BOTy says. Can you speak like a pirate?



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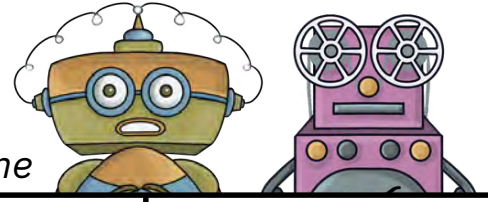
# ROBO-NAME-ATIC

## DIRECTIONS:



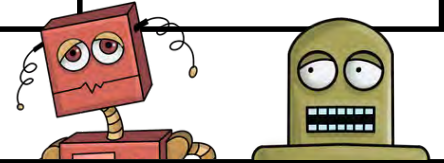
By Tricia Fuglestad, Inspired by PETER O'Meter

Choose one prefix and one suffix to go before and after your own name. Example, UNI-DAVE-IZER



## PREFIX Add to the beginning of your robot name

robo- (done by robots)	cyber- (about computers)	auto- (works on its own)	phil- (fondness for)
magna- (large or great)	ultra- (the far side or beyond)	electro- (about electricity)	hydro- (about water)
revo- (turning)	poly- (many)	micro- (small)	uni- (one)
therm- (about heat)	super- (over)	dis- (opposite of)	anti- (against)



## SUFFIX Add to the end of your robot name

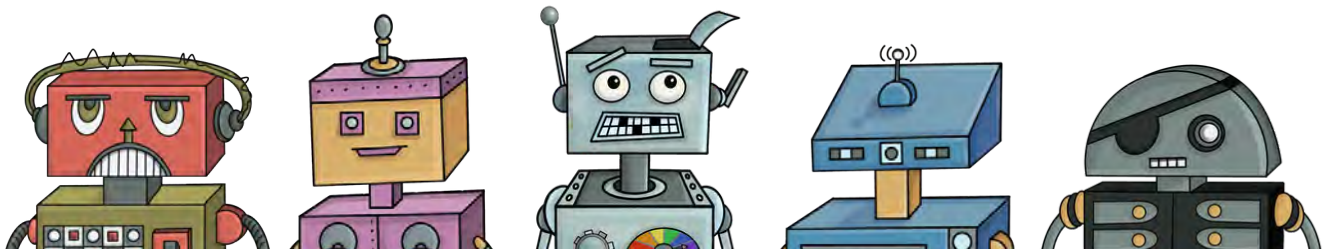
-izer (to turn into)	-bot (machine)	-ator (doing something)	-sonic (sound or vibrations)
-ify (become something)	-etic (describes a style)	-static (unchanging)	-ical (related to)
-ometer (measuring)	-ocity (state of being)	-wave (energy or movement)	-scope (observing)
-buster (overcome)	-nent (has a certain quality)	-matic (self-operating)	-ature (a collection)

## YOUR ROBOT NAME

PREFIX

YOUR NAME

SUFFIX



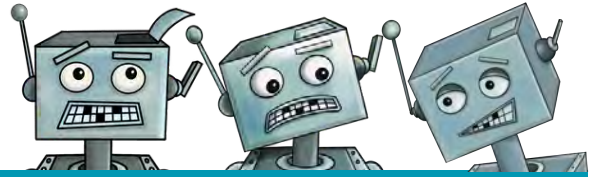
# EMOTION BOT ROLL

by Tricia Fuglestad, Inspired by PETER O'Meter



## DIRECTIONS:

Roll a die each time to chose a head, eyes, mouth, and extra feature for your robot drawing.

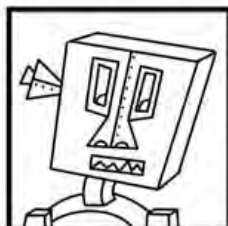
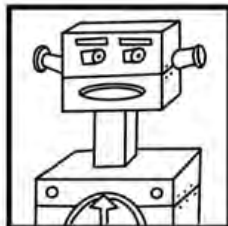
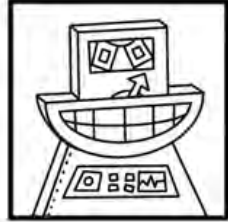
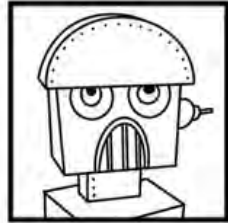
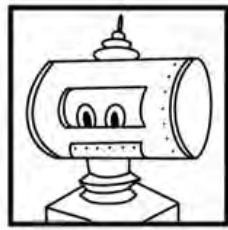
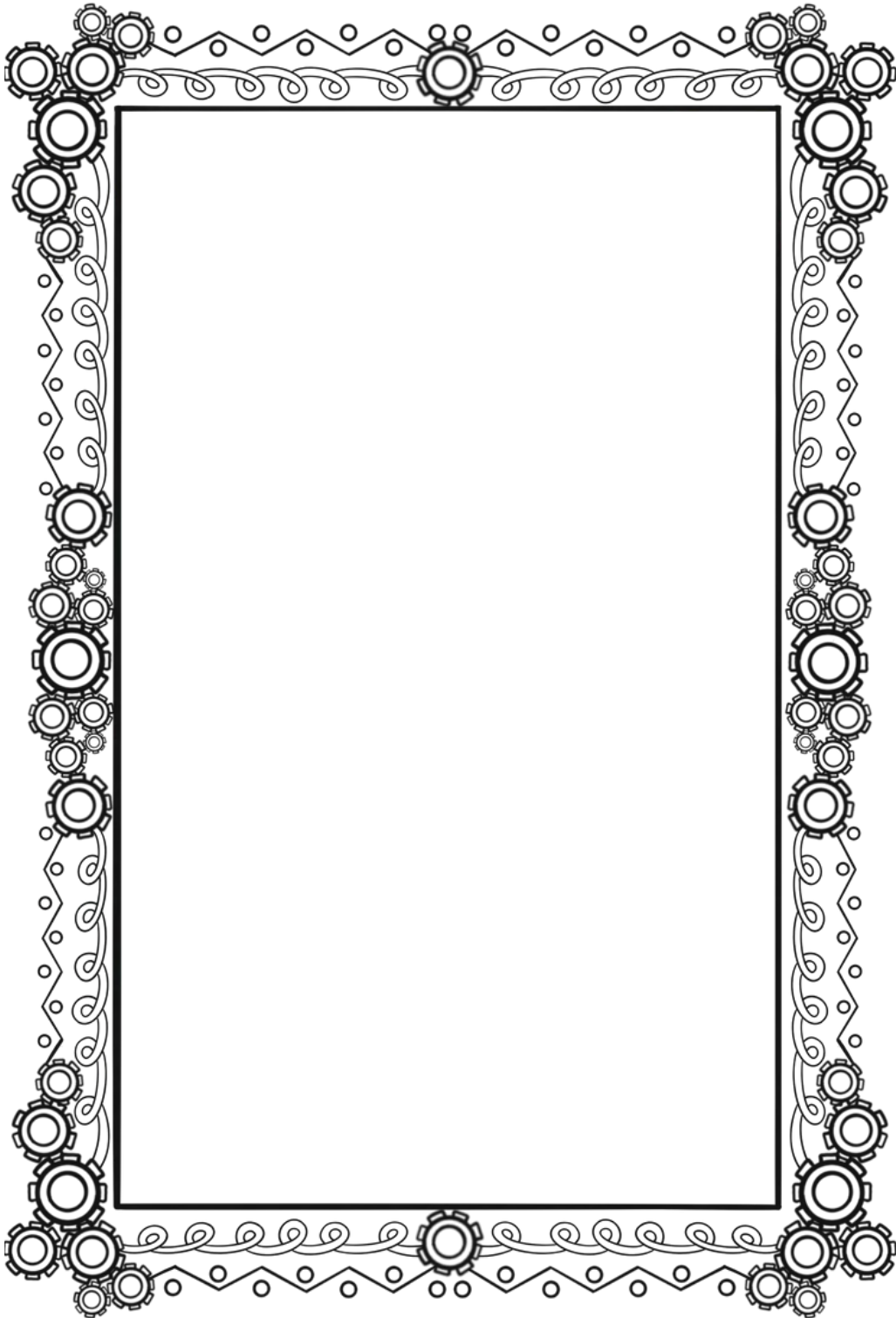
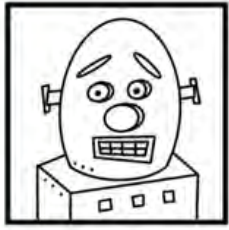


	HEAD	EYES	MOUTH	EXTRA



# eMOTION BOT ROLL

DESIGN, DRAW, AND COLOR YOUR OWN ROBOT



My robot's name is \_\_\_\_\_

My robot is feeling \_\_\_\_\_

Take a photo of your artwork and upload it to the eMotion Bot Gallery. Click here [bit.ly/eMotionBotGallery](http://bit.ly/eMotionBotGallery) or scan the QR code with your camera



UPLOAD YOUR ART

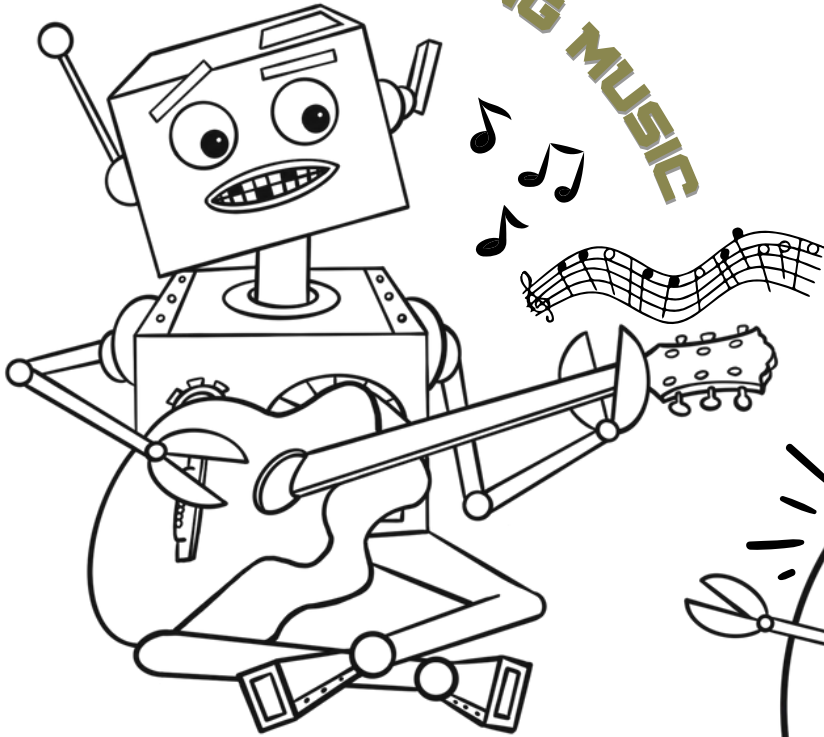
# 6 WAYS TO UNWIND

## DIRECTIONS:

by Tricia Fuglestad, inspired by PETER O'Meter

Look at the different ways PETER O'Meter unwinds to calm down after he has strong emotions. Color each scene and write your calming strategies in the blank spaces.

ENJOYING MUSIC



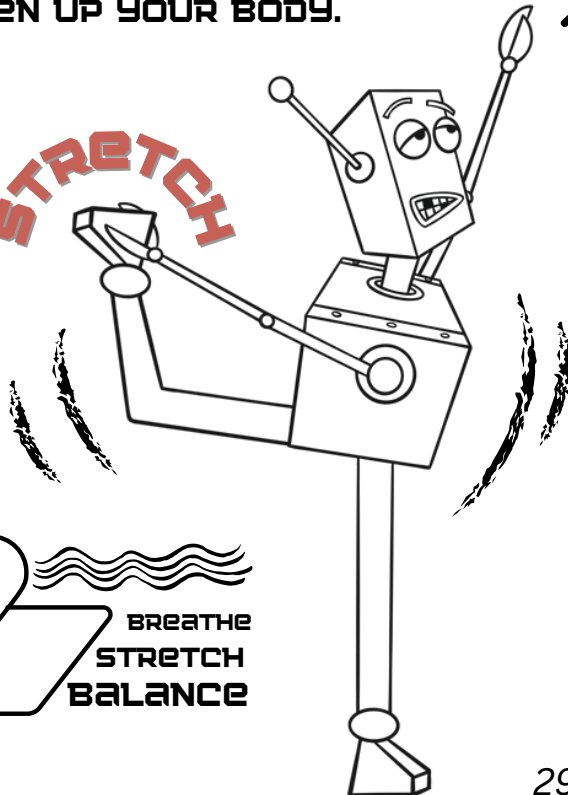
PETER LIKES TO PLAY THE GUITAR TO UNWIND. WHICH SONG MAKES YOU FEEL LOOSE AND CALM?

---

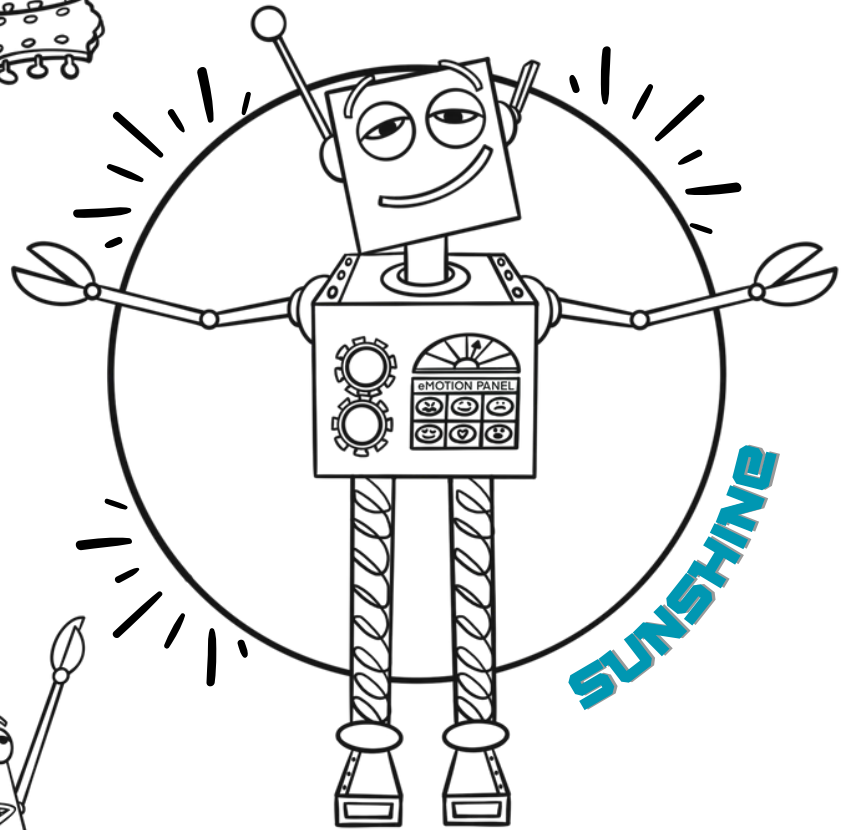
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PETER STRETCHES HIS SPRINGS WHEN THEY GET TOO WOUND UP. TRY STRETCHING LIKE PETER TO LOOSEN UP YOUR BODY.

STRETCH



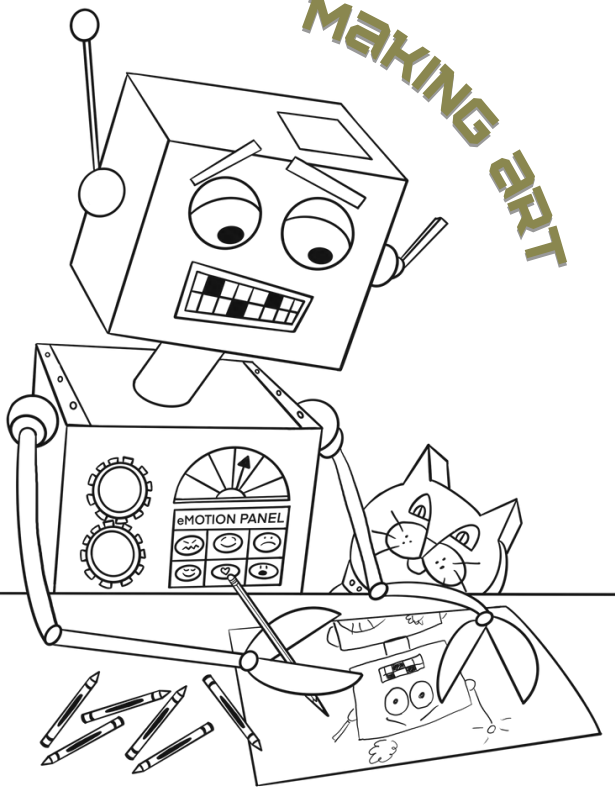
BREATHE  
STRETCH  
BALANCE



PETER'S BATTERIES RECHARGE WHEN HE SOAKS IN SUNSHINE. NAME 3 THINGS YOU CAN DO OUTSIDE TO FEEL RECHARGED

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

# MAKING ART

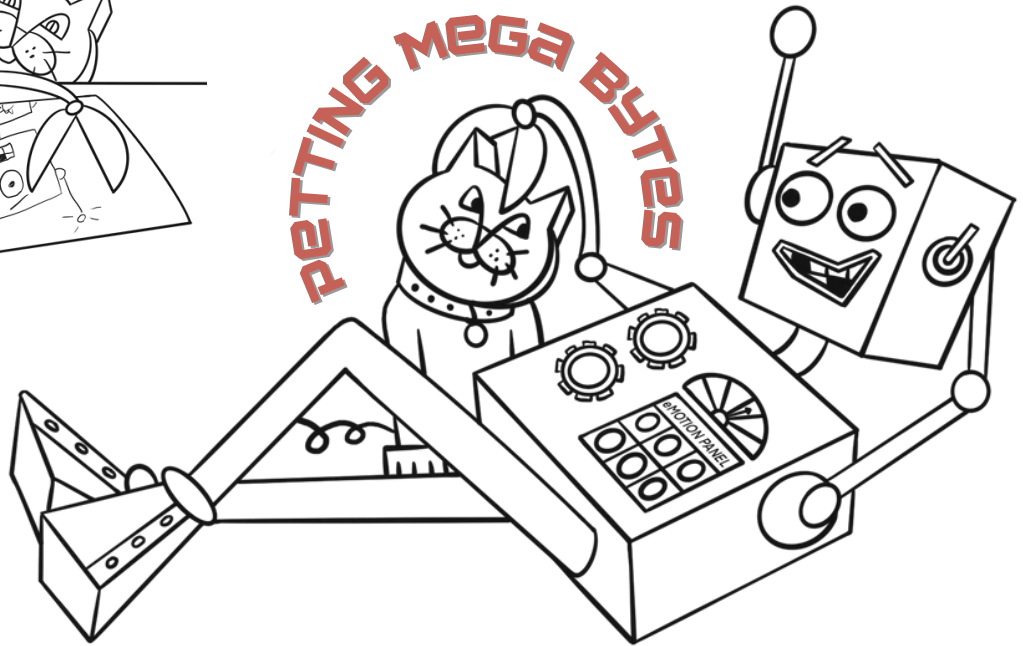


PETER LOVES DRAWING AND COLORING TO HELP HIS COMPUTER SHARPEN AND FOCUS. WHAT DO YOU LIKE TO DO THAT HELPS YOU FOCUS?

---

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# PETTING MEGA BYTES



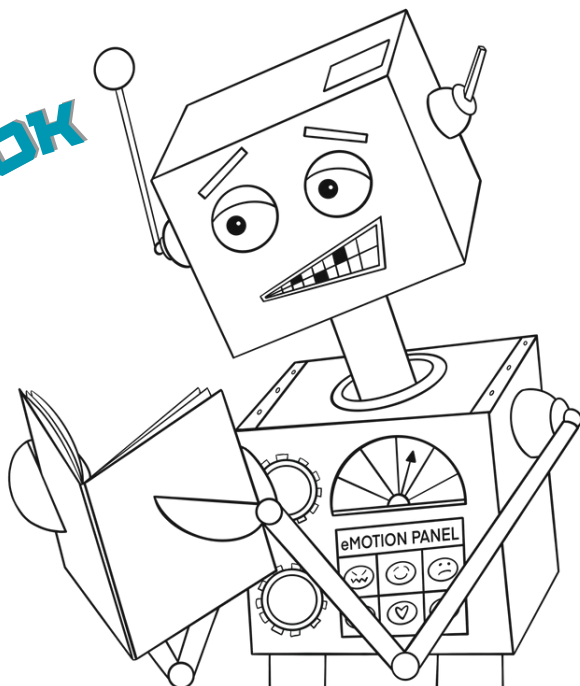
PETER'S MOTOR PURRS JUST LIKE THE SOUND HIS CAT, MEGA BYTES, MAKES WHEN THEY'RE TOGETHER. NAME A PET OR PERSON THAT HELPS YOU FEEL AT PEACE.

---

PETER LOVES TO GET LOST IN STORIES BY READING. IT HELPS HIM SEE THE WORLD THROUGH SOMEONE ELSE'S EYES AND FEEL ALL THEIR FEELINGS. DRAW YOUR FAVORITE BOOK ON PETER'S COVER. NAME SOME OF YOUR FAVORITE STORYBOOK CHARACTERS.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

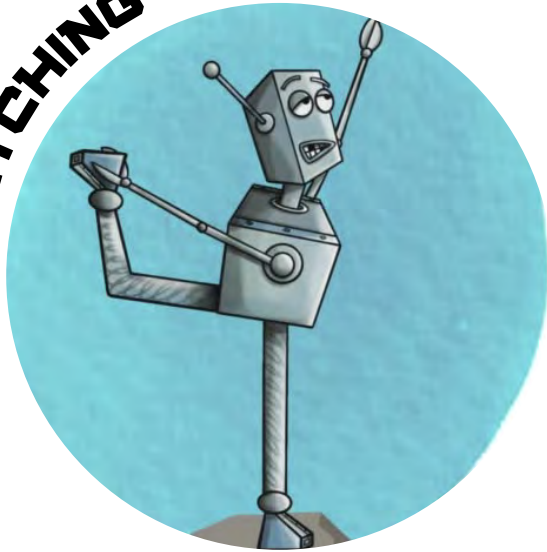
# READING A BOOK



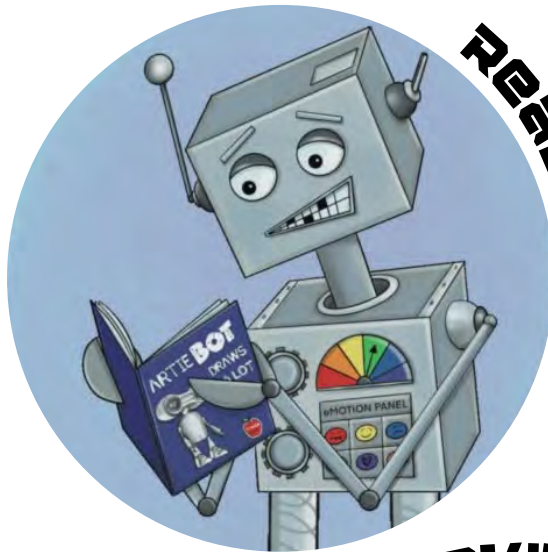
# 6 WAYS TO UNWIND

**DIRECTIONS:** Scan the QR code with Quiver app to watch PETER unwind

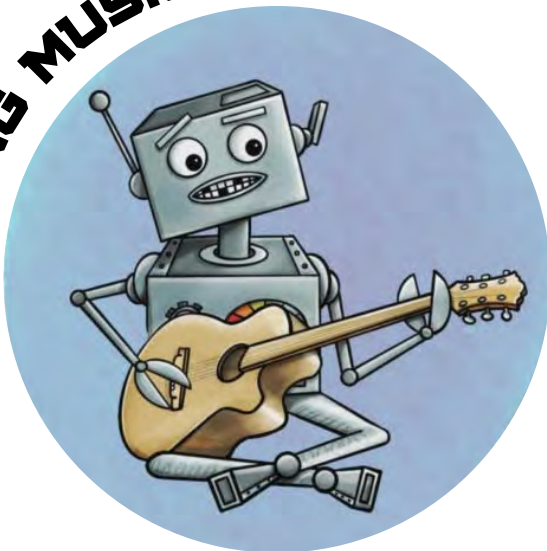
**STRETCHING**



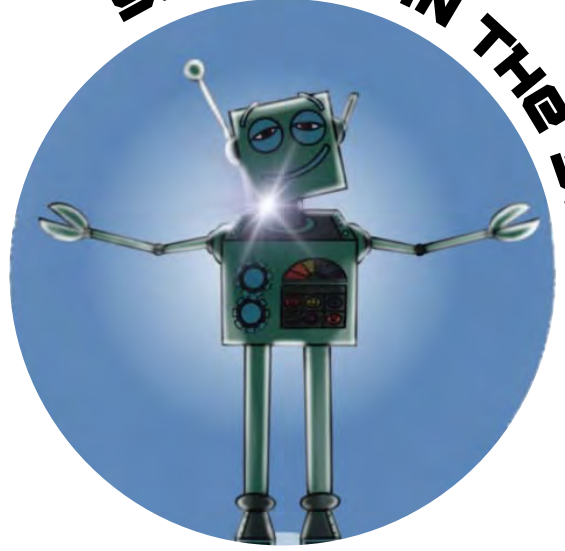
**READING**



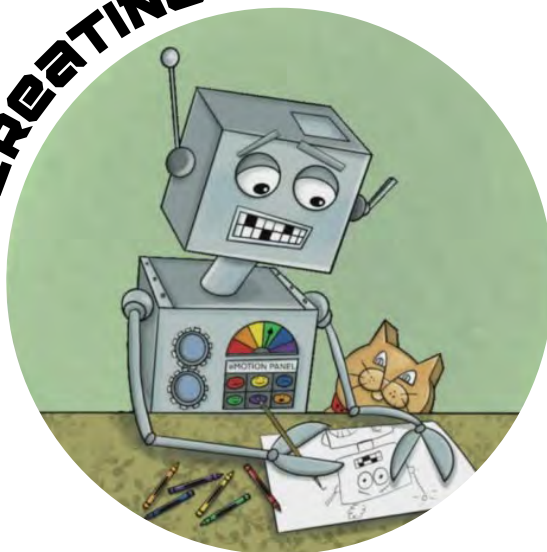
**ENJOYING MUSIC**



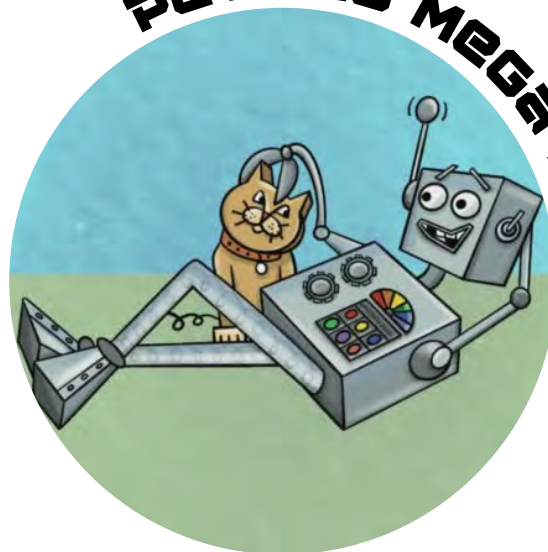
**SOAKING IN THE SUN**



**CREATING**



**PETTING MEGA BYTES**





# PAPER CIRCUIT ROBOT

EASY WAY TO PRACTICE CIRCUITRY INSPIRED BY PETER O'METER



## SUPPLIES:

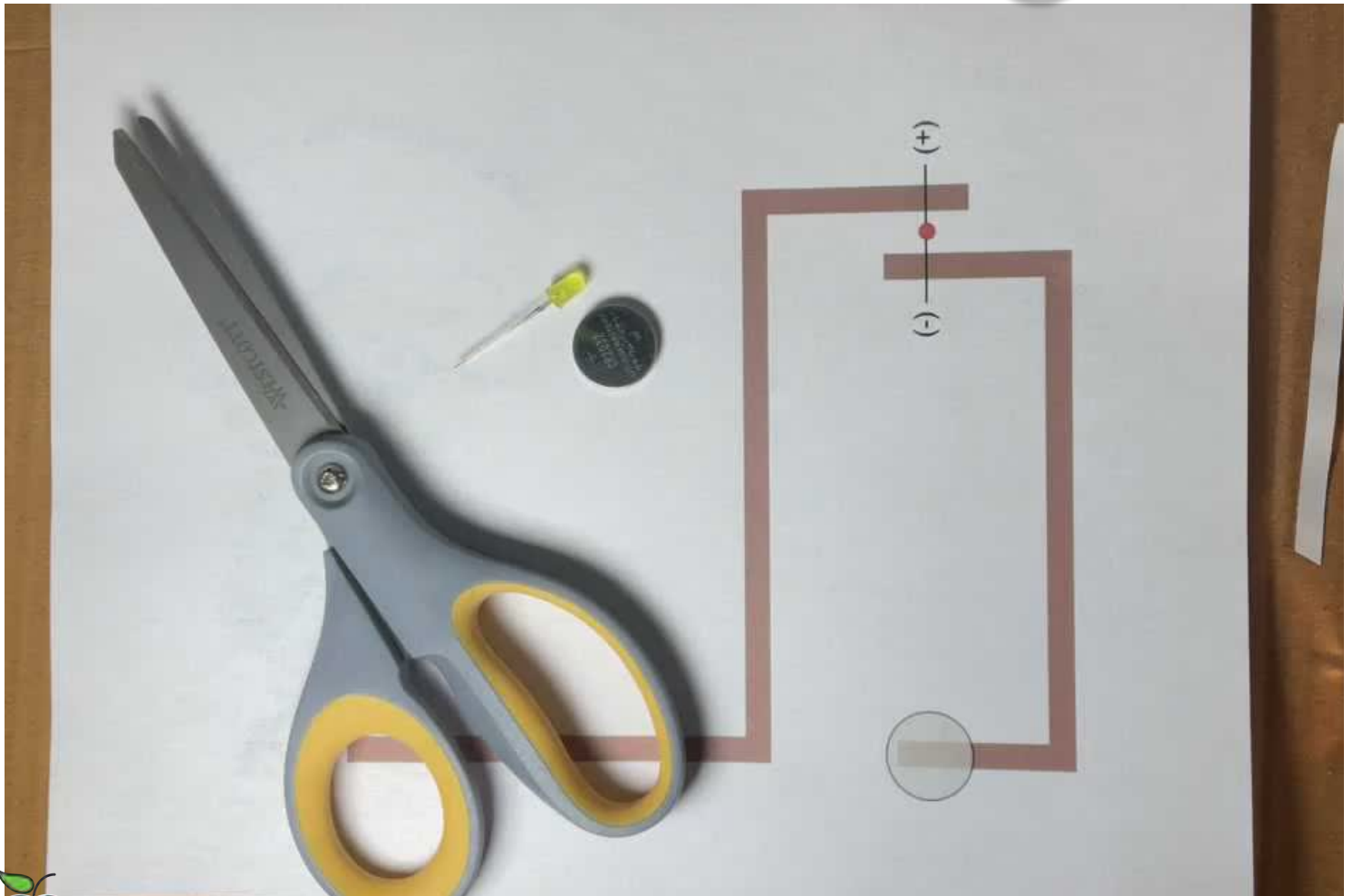
1. 2 FT (24 INCHES) OF THIN (1/4 INCH) CONDUCTIVE TAPE WITH ADHESIVE. [SEE EXAMPLE](#)
2. BUTTON CELL LITHIUM BATTERY CR2032. [SEE EXAMPLE](#)
3. 5MM LED ASSORTED COLORS [SEE EXAMPLE](#)
4. SCISSORS TO CUT THE CONDUCTIVE TAPE
5. PRINTED TEMPLATE (PRINT THE LAST TWO PAGES 2-SIDED) OF THIS ACTIVITY

### 1. CONDUCTIVE TAPE

### 2. BATTERY



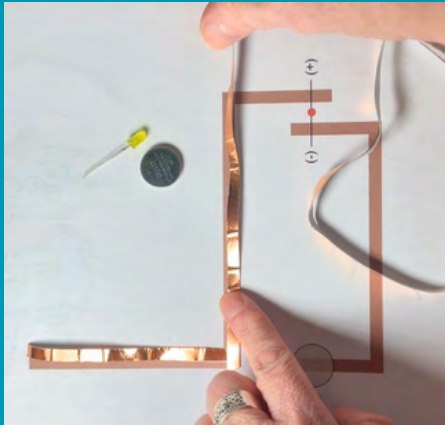
### 3. LED



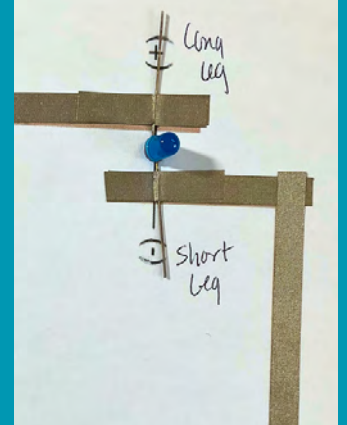
# PAPER CIRCUIT ROBOT

DIRECTIONS TO HELP BRIGHTEN TEACHER ANITA TUNEUP'S DAY

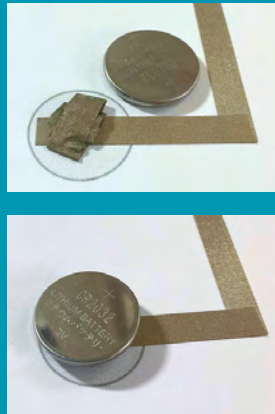
1. MEASURE, CUT, AND STICK ON CONDUCTIVE TAPE OVER THE COPPER COLORED STRIPS IN THE TEMPLATE



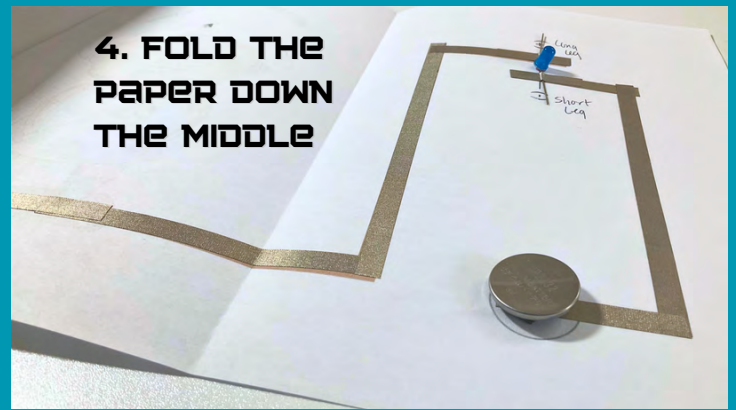
2. TAPE THE LED INTO PLACE WITH THE SHORT LEG ON THE NEGATIVE STRIP AND THE LONG LEG ON THE POSITIVE STRIP



3. ROLL THE CONDUCTIVE TAPE INTO A LOOP WITH THE STICKLY SIDE OUT. LAY THE BATTERY NEGATIVE SIDE DOWN, POSITIVE SIDE UP ON IT.



4. FOLD THE PAPER DOWN THE MIDDLE



5. PRESS ANITA TUNEUP'S HOVERBOARD TO SEE HER LIGHT TURN ON. VIEW THE INSTRUCTIONAL VIDEO TIME LAPSE AND ANIMATION ON CANVA BY SCANNING THIS QR CODE

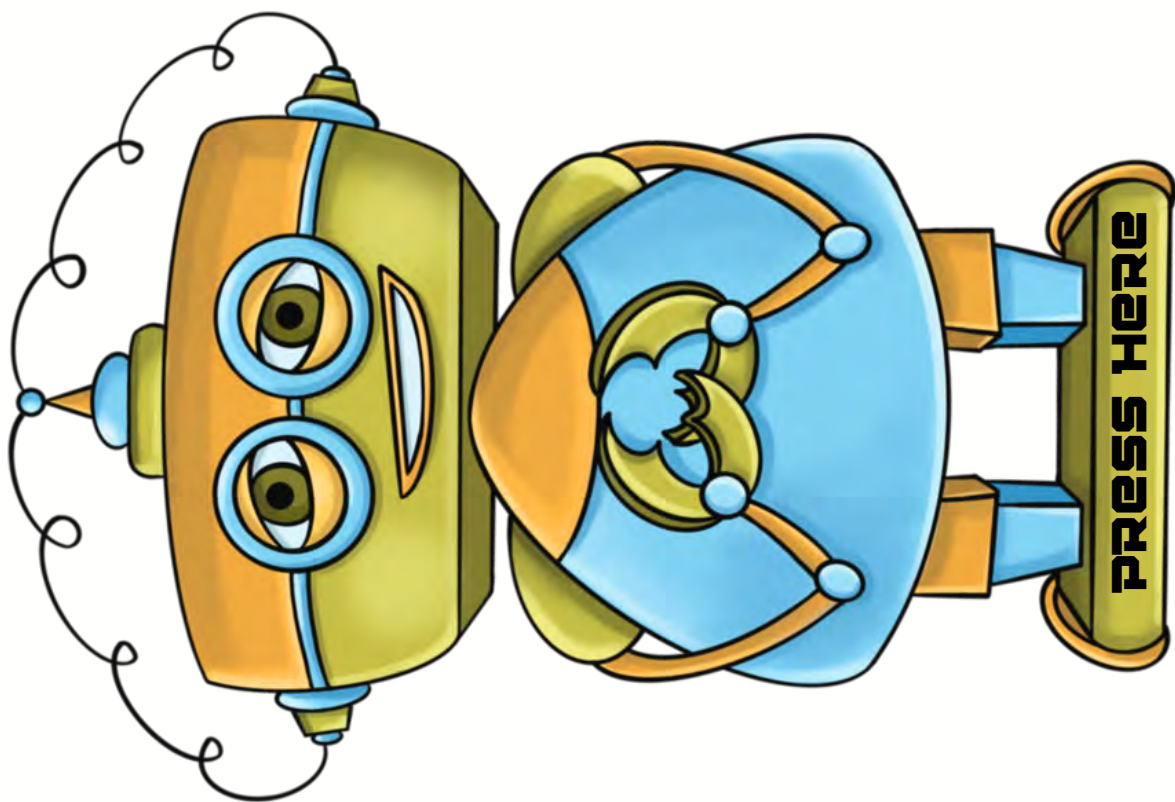


DISCUSSION QUESTION:



WHERE IN THE PETER O'METER STORY DID YOU SEE THE ROBOTS CREATE A CIRCUIT? HOW DID THEY DO THIS?

**FOR BRIGHTEN MY DAY**

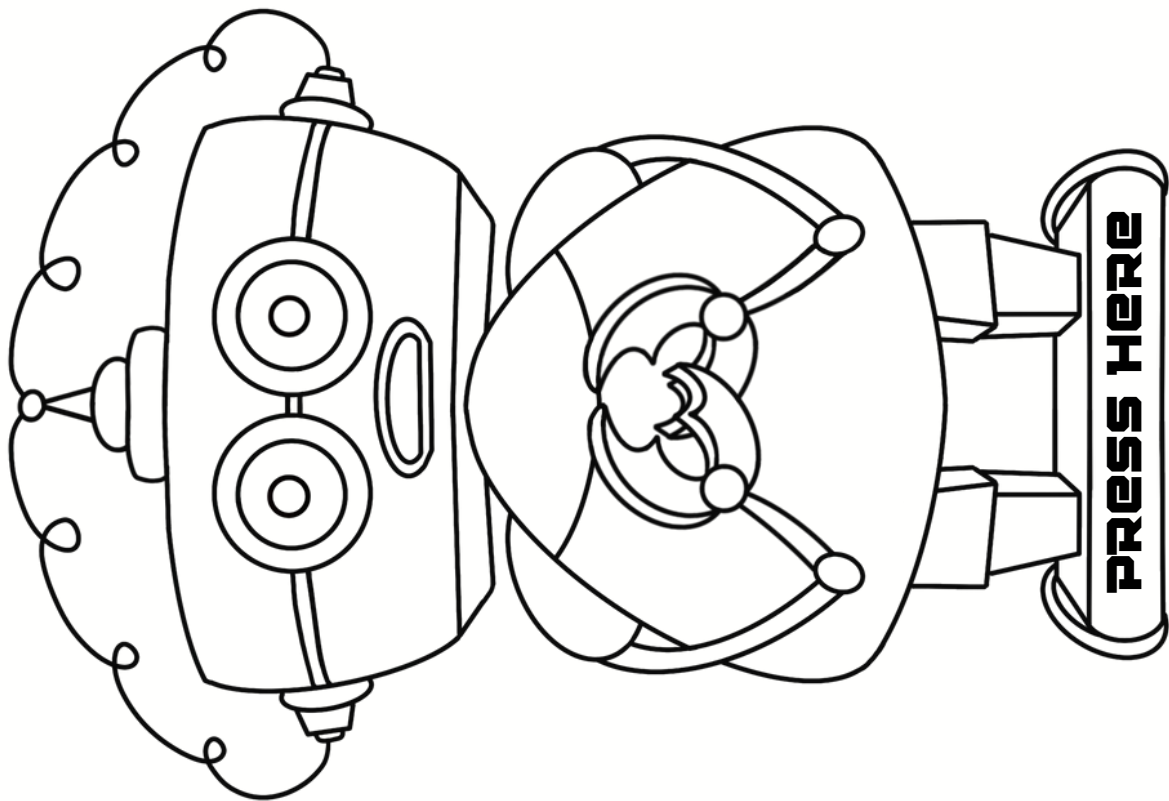


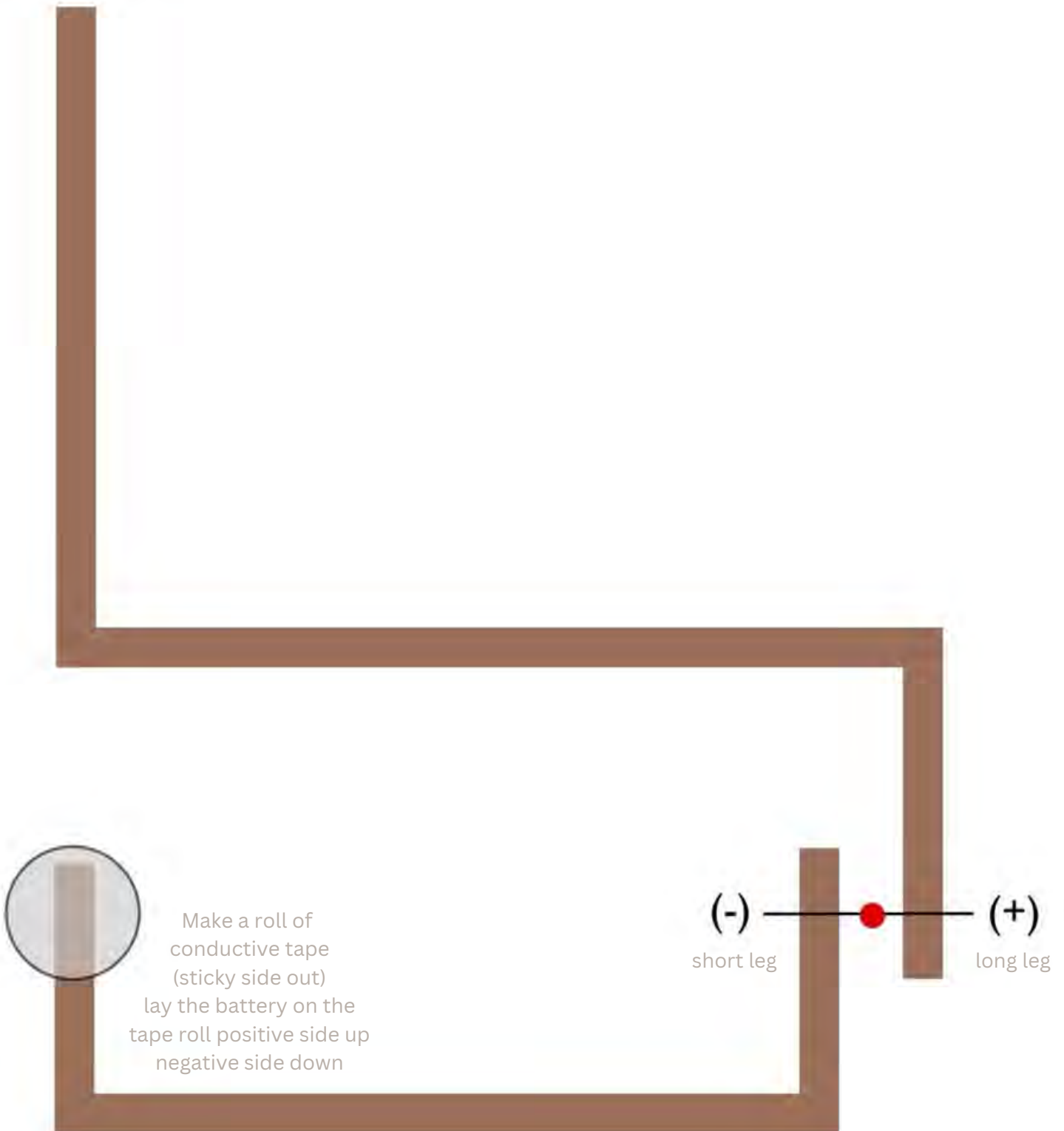


Make a roll of  
conductive tape  
(sticky side out)  
lay the battery on the  
tape roll positive side up  
negative side down



**FOR BRIGHTEN MY DAY**



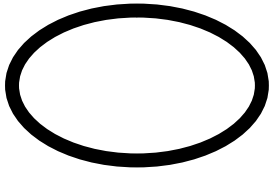


# BECOME AN e-MOTION BOT

WEAR AN EMOTION PANEL LIKE PETER TO EXPRESS YOUR FEELINGS

## OPTION 1

PRINT THE BLANK e-MOTION PANEL SHEET, CUSTOMIZE IT WITH YOUR OWN EMOTIONS, SYMBOLS, AND COLORS.

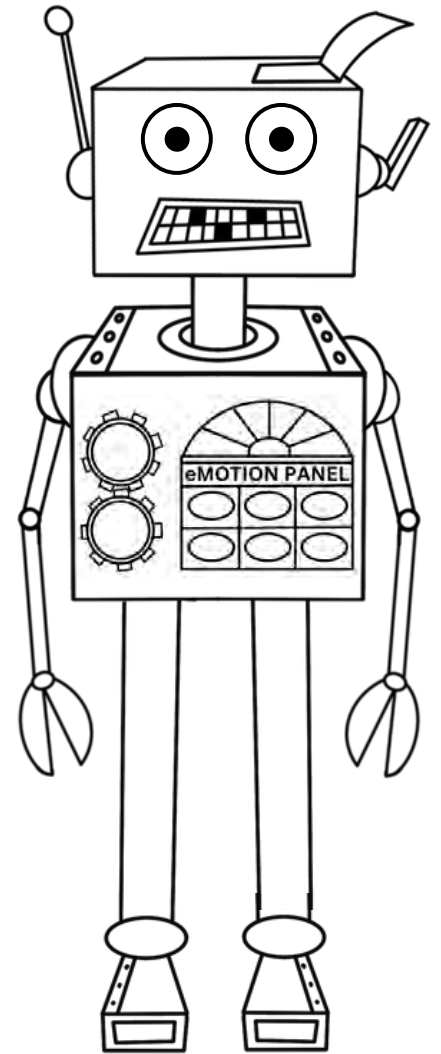
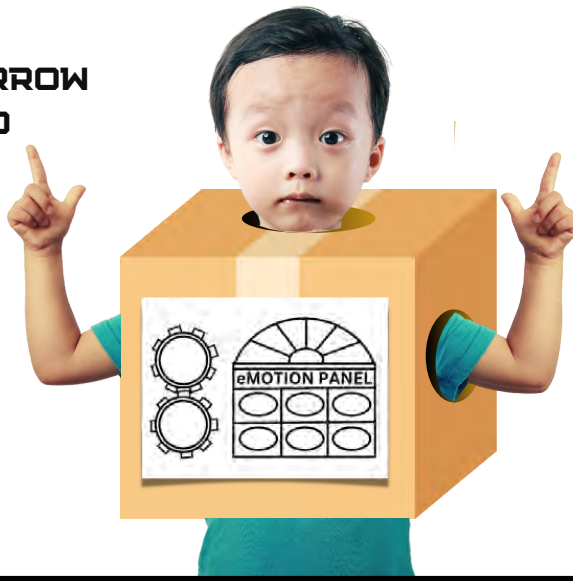


THINK OF YOUR OWN SYMBOLS TO REPRESENT YOUR FEELINGS



DRAW AN ARROW TO POINT TO THE COLOR MATCHING YOUR FEELING

WEAR THE PANEL TO EXPRESS YOUR EMOTIONS LIKE PETER.



## OPTION 2

PRINT PETER O'METER'S FULL-COLOR e-MOTION BOT PANEL. CUT HOLES IN A CARDBOARD BOX FOR YOUR HEAD AND ARMS. TAPE OR GLUE THE PANEL TO THE FRONT OF THE BOX TO LOOK JUST LIKE PETER O'METER.

SCAN THE QR CODE WITH THE QUIVER APP AND WATCH THE PANEL COME TO LIFE WITH AUGMENTED REALITY.

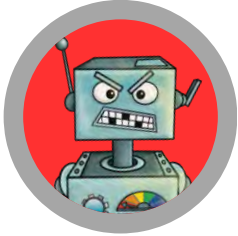


# E-MOTION BOT GAME

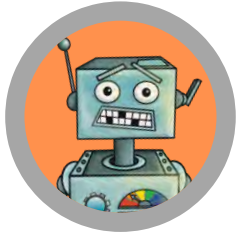
WEAR AN EMOTION PANEL LIKE PETER TO EXPRESS YOUR FEELINGS

## DIRECTIONS

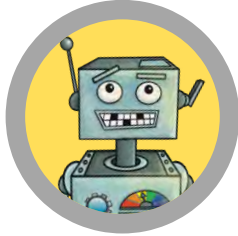
USE YOUR FACE TO EXPRESS AN EMOTION WHILE SOMEONE SCANS YOUR PANEL. THEN ASK THEM TO GUESS WHAT YOU'RE TRYING TO EXPRESS.



ANGRY



FEARFUL



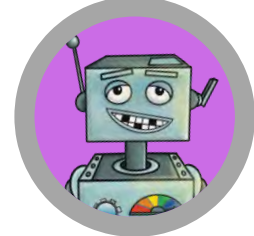
HAPPY



CALM

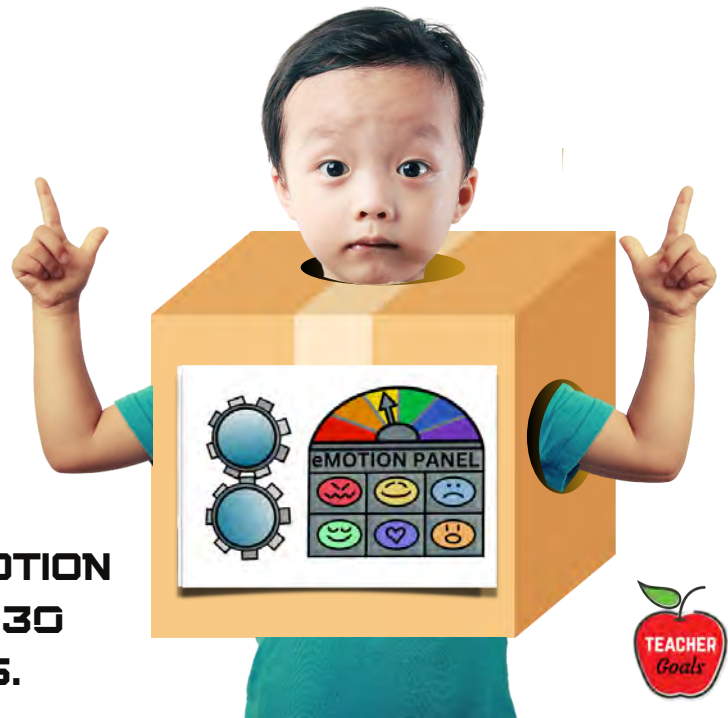


SAD



LOVING

- 1** LOOK AT THE SIX FACES OF PETER EXPRESSING EMOTIONS. PRACTICE MAKING THESE EXPRESSIONS YOURSELF.
- 2** THE EXPRESSER WEARS THE PRINTED PANEL (AS SHOWN BELOW) WHILE THE GUESSER USES QUIVER APP TO SCAN IT.
- 3** THE EXPRESSER CHOOSES ONE OF THE SIX FEELINGS ABOVE AND USES THEIR FACE AND BODY ONLY (NO WORDS) TO EXPRESS THE EMOTION.
- 4** THE GUESSER NEEDS TO GUESS THE CORRECT EMOTION EXPRESSED BEFORE THE 30 SECONDS ANIMATION ENDS.
- 5** POINTS FOR CORRECT GUESSES:  
1 POINT FOR THE GUESSER  
2 POINTS FOR THE EXPRESSER
- 6** SWITCH ROLES AND PLAY AGAIN.

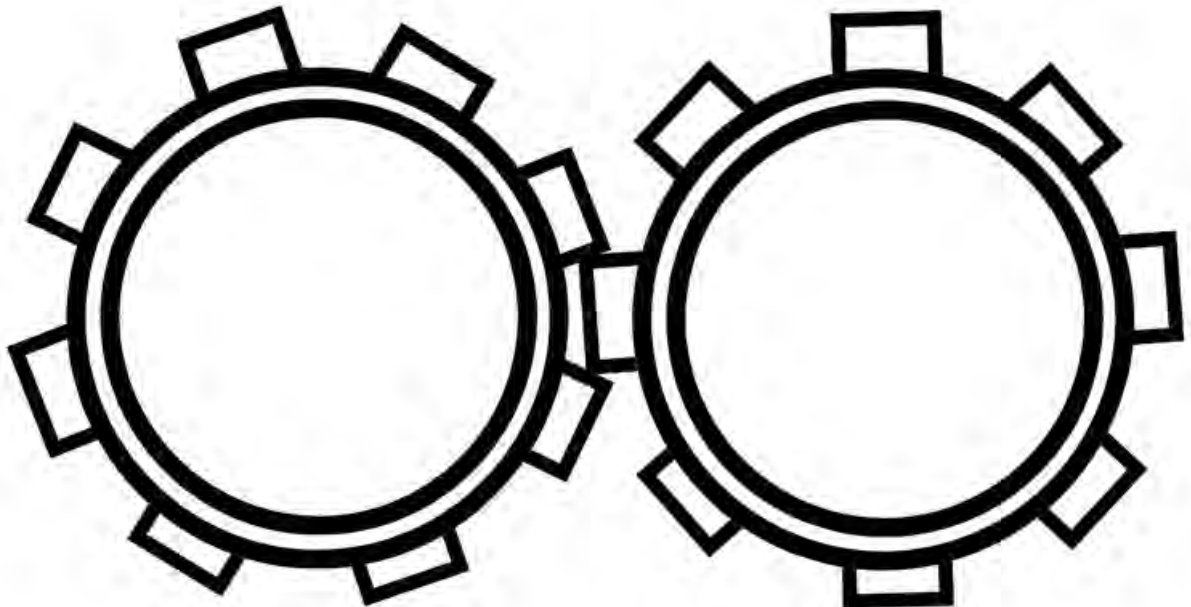
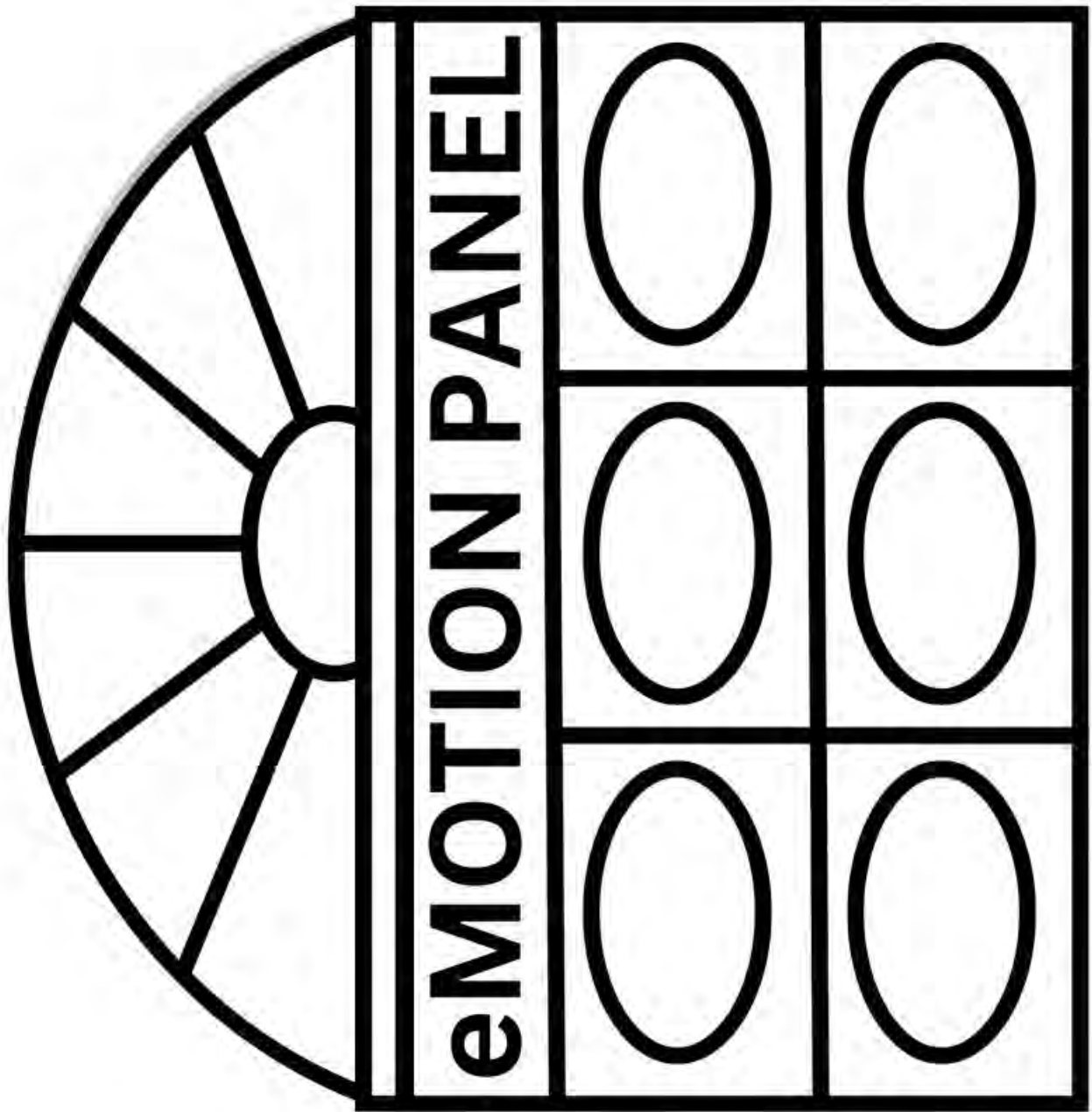


SCAN THE QR CODE WITH THE QUIVER APP THEN VIEW THE EMOTION BOT PANEL (AS SHOWN ABOVE) COME TO LIFE WITH AUGMENTED REALITY.



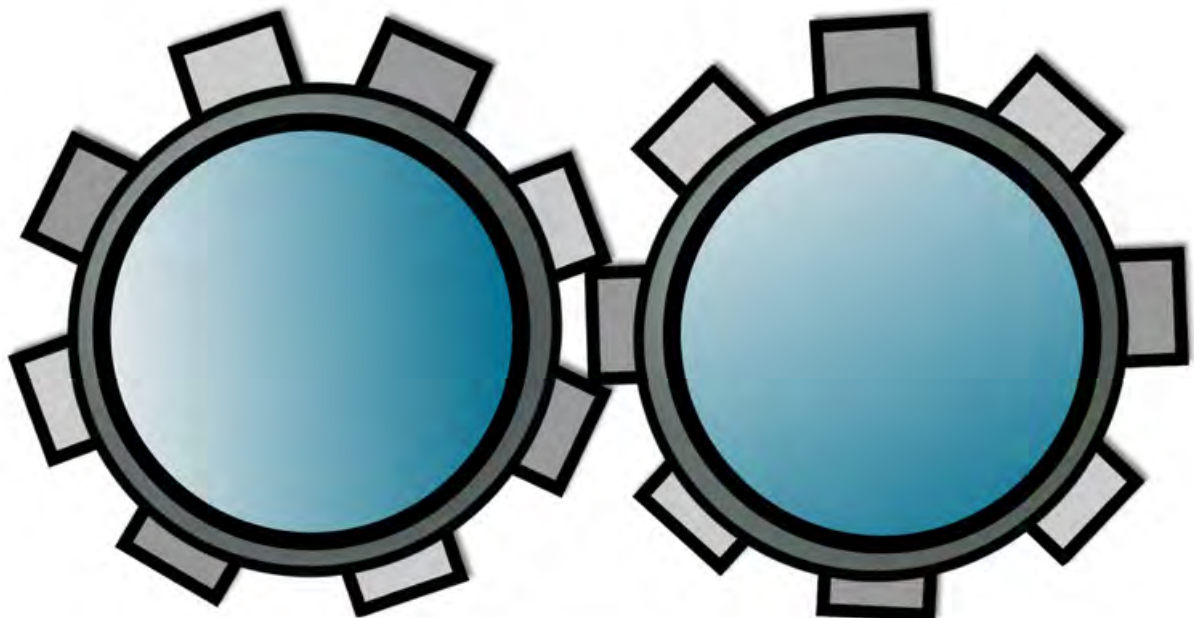
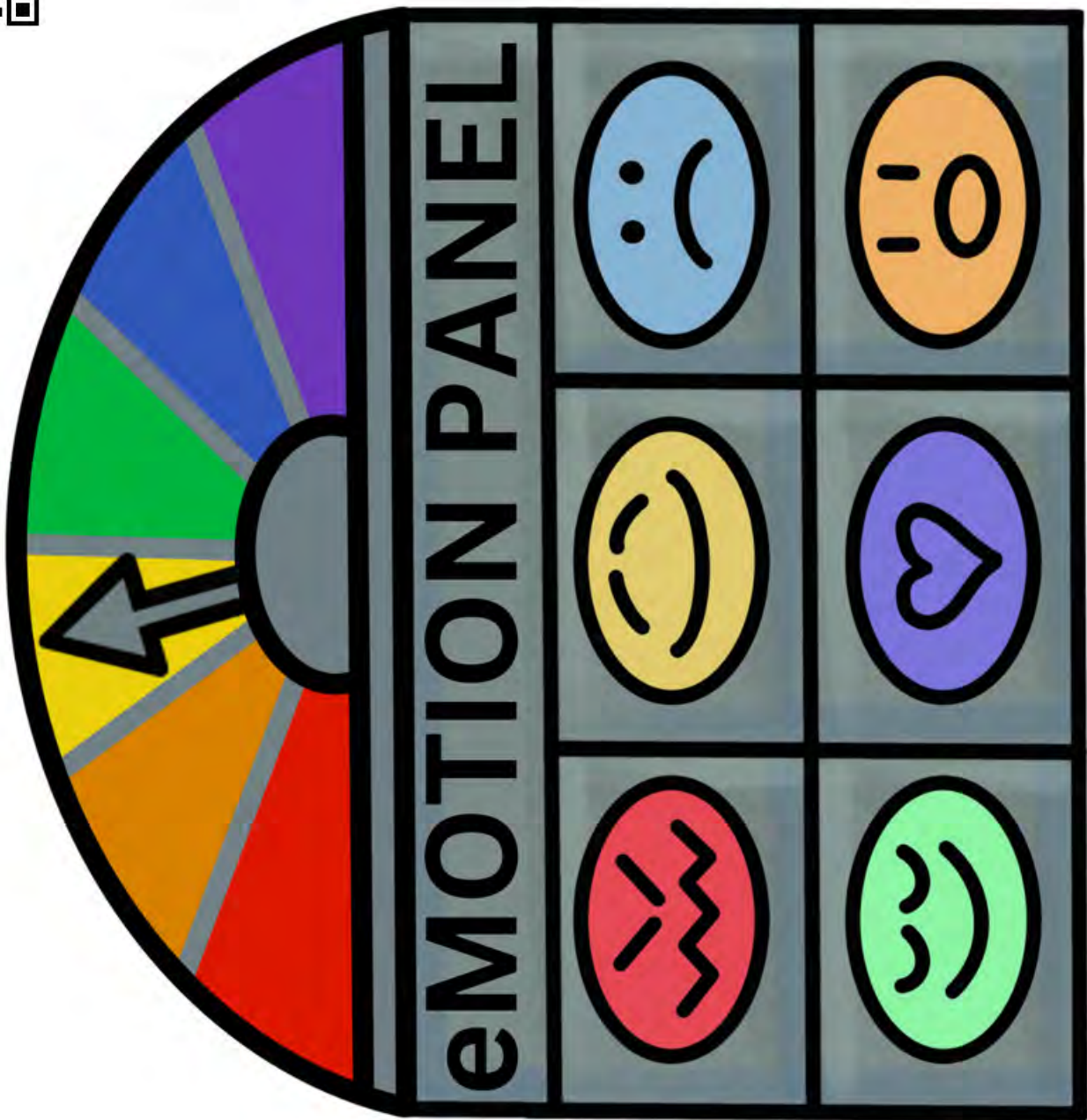
\*CHALLENGE ROUNDS\* TRY EXPRESSING AN EMOTION NOT SHOWN ABOVE.







Scan this eMotion panel with the Quiver app to see it come to life



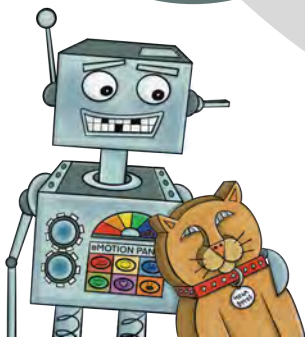
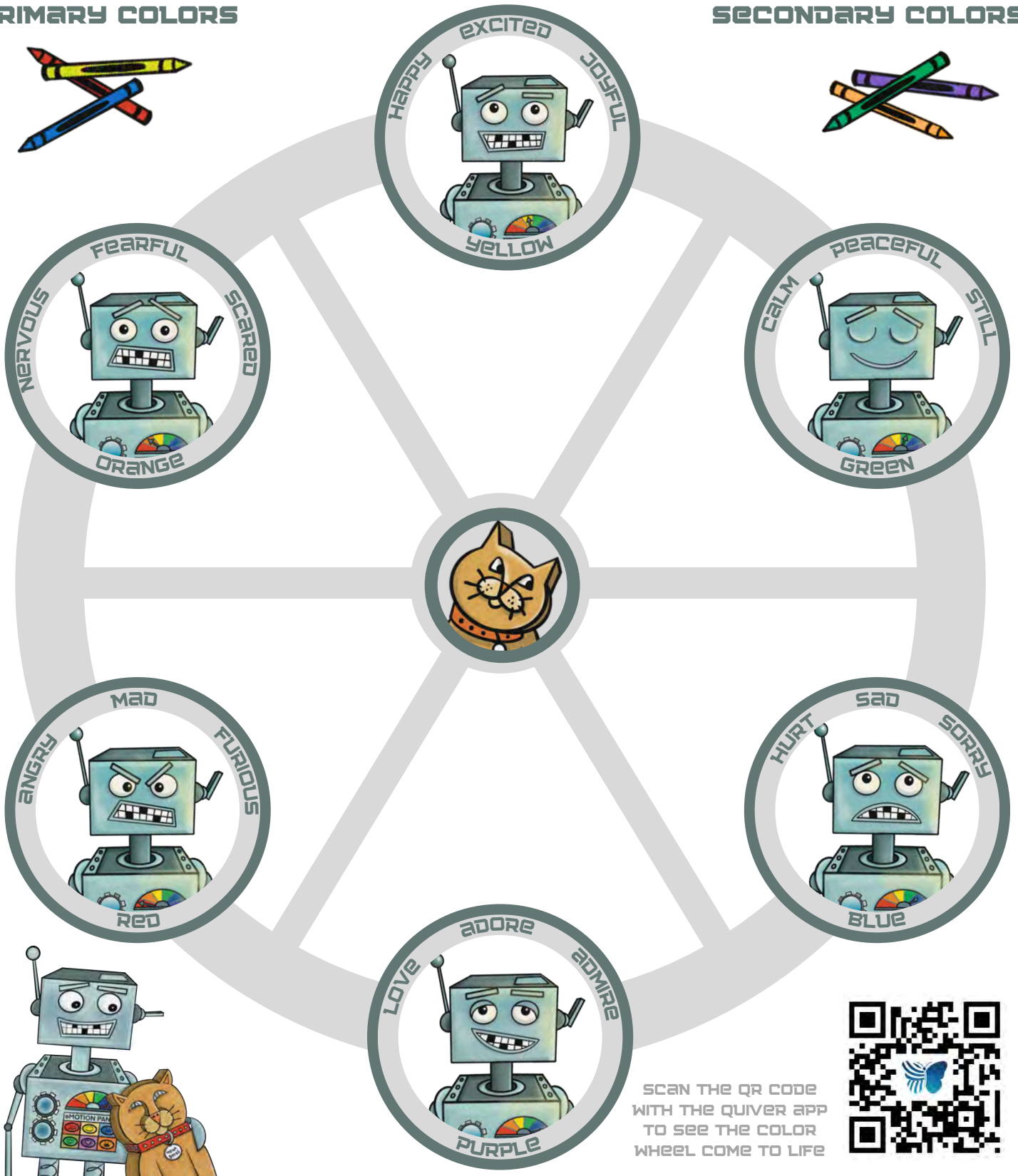
# E-MOTION BOT COLOR WHEEL

CREATE A COLOR WHEEL TO MATCH THE COLOR OF PETER'S EMOTIONS

## PRIMARY COLORS



## SECONDARY COLORS



SCAN THE QR CODE WITH THE QUIVER APP TO SEE THE COLOR WHEEL COME TO LIFE

HOW ARE YOU FEELING? \_\_\_\_\_

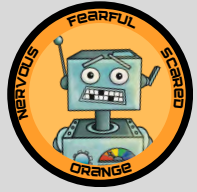
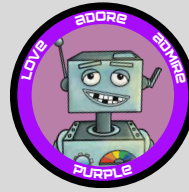
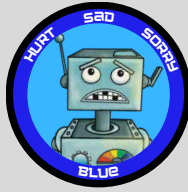
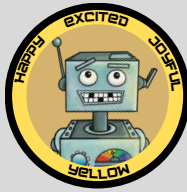
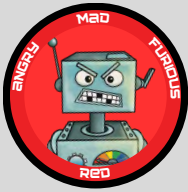
\_\_\_\_\_

\_\_\_\_\_



# CHOOSE-A-BUTTON

WHICH BUTTON DID YOU CHOOSE WHEN PETER ASKED FOR HELP?



PETER ASKED YOU, THE READER, FOR ADVICE DURING THE STORY TO HELP HIM DECIDE WHICH BUTTON TO CHOOSE FOR EACH SITUATION. WRITE YOUR CHOICE AND WHY IN THE SPACES BELOW. REMEMBER, IT'S OKAY TO FEEL ANY WHICH WAY.

1.

WHICH COLOR BUTTON DID YOU CHOOSE WHEN ARGH WAS DAMAGED? \_\_\_\_\_ WHY? \_\_\_\_\_



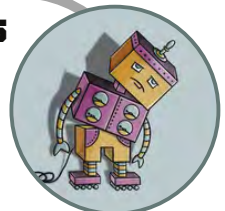
2.

WHICH COLOR BUTTON DID YOU CHOOSE WHEN ANNA WAS FALLING? \_\_\_\_\_ WHY? \_\_\_\_\_



3.

WHICH COLOR BUTTON DID YOU CHOOSE WHEN MAGGIE WAS LEFT OUT? \_\_\_\_\_ WHY? \_\_\_\_\_



4.

WHICH COLOR BUTTON DID YOU CHOOSE WHEN PETER JOINED THE GAME? \_\_\_\_\_ WHY? \_\_\_\_\_



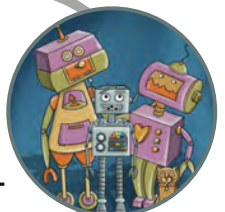
5.

WHICH COLOR BUTTON DID YOU CHOOSE WHEN RECESS ENDED? \_\_\_\_\_ WHY? \_\_\_\_\_



6.

WHICH COLOR BUTTON DID YOU CHOOSE WHEN PETER WENT HOME? \_\_\_\_\_ WHY? \_\_\_\_\_



# WHAT PUSHES YOUR BUTTONS?

ASSEMBLE, ROLL, AND DISCUSS YOUR e-MOTION RESPONSES

1. **Color** each eMotion Button to match the emotion they represent.
2. **Cut** along the outside lines.
3. **Fold** along the dotted lines.
4. **Glue** or **tape** the tabs to construct.
5. **Take turns rolling the dice.**
6. **Discuss** what happens when this button is pushed in you. Use this sentence starter . . .



ANGER



HAPPY



SAD



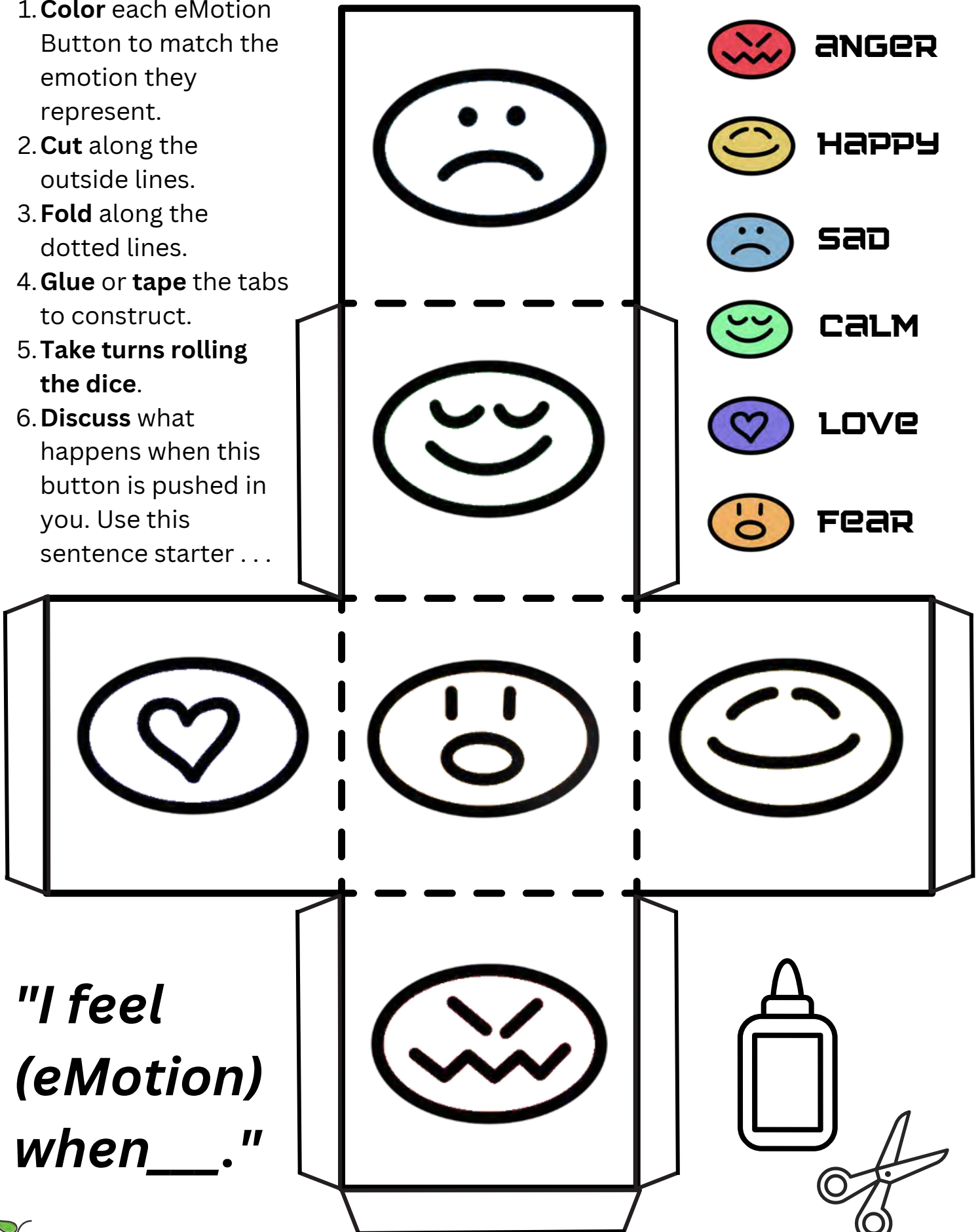
CALM



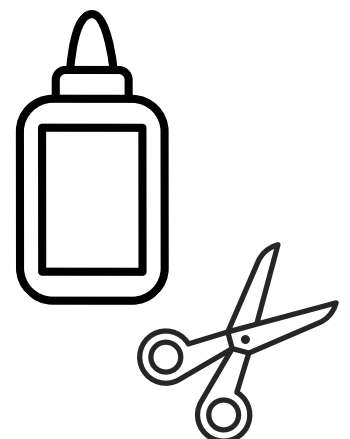
LOVE



FEAR

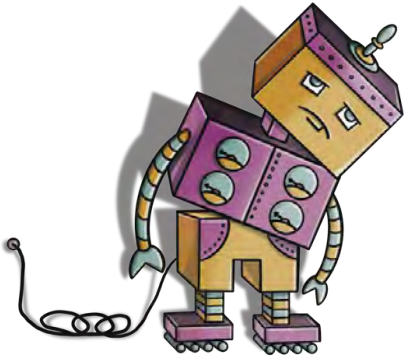


**"I feel  
(eMotion)  
when\_\_\_."**



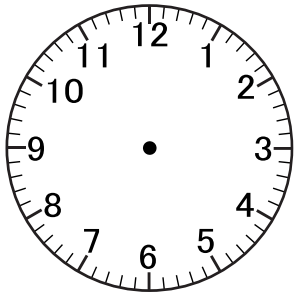
# TIME TO RECHARGE

CREATE A BATTERY RECHARGING SCHEDULE TO HELP MAGGIE MANAGE HER DAY



Maggie Netic needs help with her battery recharging schedule so that she doesn't run out of charge when it's time to go to school at 9 am, enjoy lunch and recess at noon, or go home at 3 pm. It takes her 1 hour to recharge. The charge lasts for 3 hours. She can charge in her home, or at school, but not on the bus.

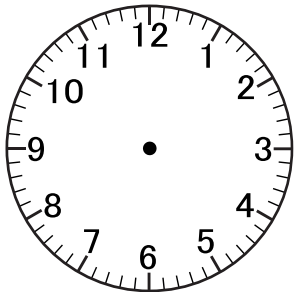
**Draw the hands on the clock and write the time on the line for when Maggie should recharge her battery. Circle home or at school to show where she will be for the one-hour charge.**



\_\_\_\_\_ *write the time of day*



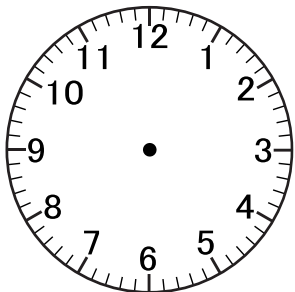
*circle home or school*



\_\_\_\_\_ *write the time of day*



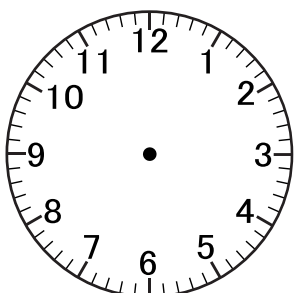
*circle home or school*



\_\_\_\_\_ *write the time of day*



*circle home or school*



\_\_\_\_\_ *write the time of day*



*circle home or school*

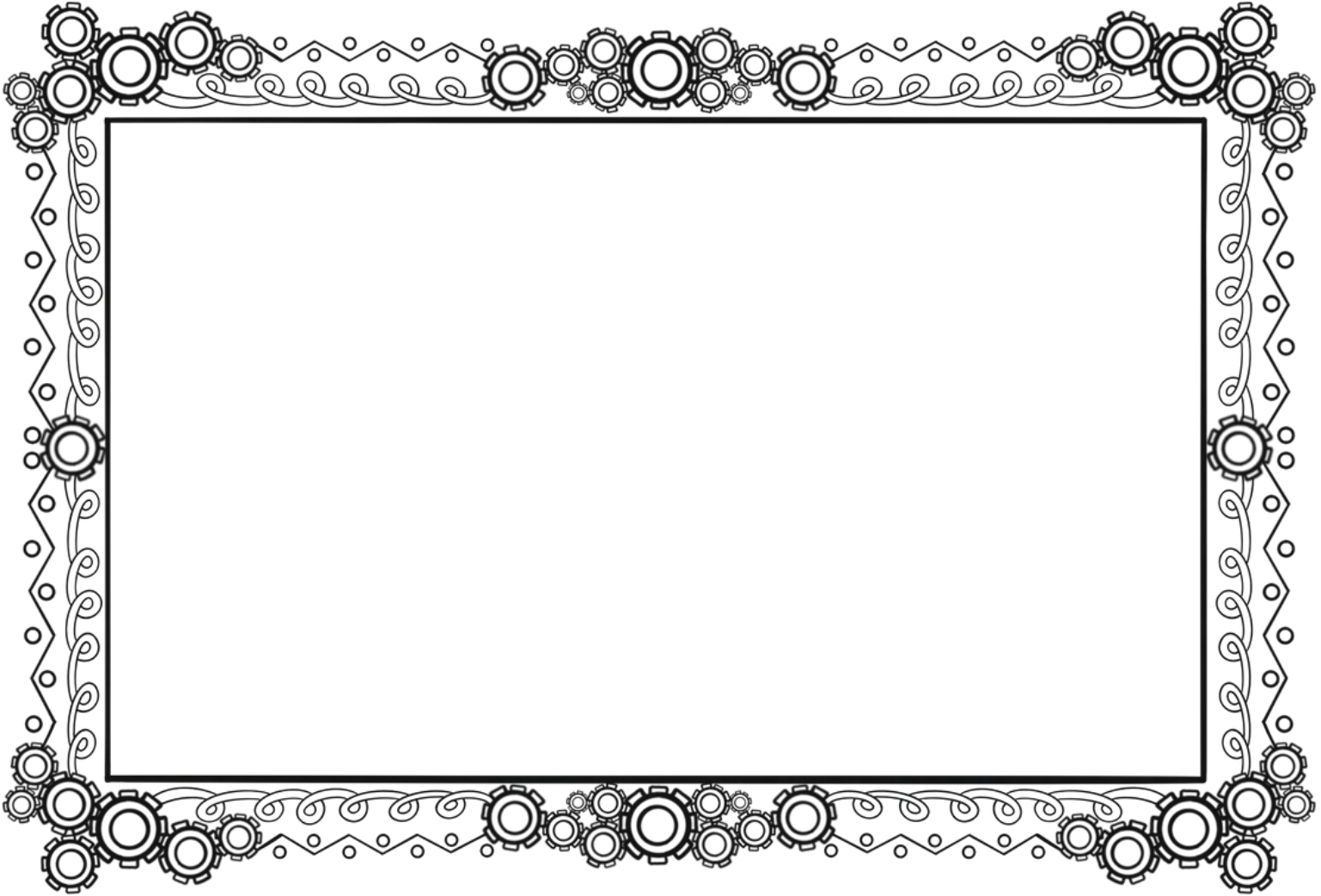
# MAKE ROOM FOR ROBOTS

## DESIGN CHALLENGE: CREATE A SPACE THAT ROCKS FOR ROLLING ROBOTS

**Objective:** Draw a way to make your rolling robot who can't climb stairs or be picked up able to enjoy the things you like to do.

**Brainstorm:**

- What features can be added to make it easier for the robots to roll around?
- How can we make sure the robots don't get stuck or blocked?
- What obstacles or challenges might the robots face?



**Explain your design:**

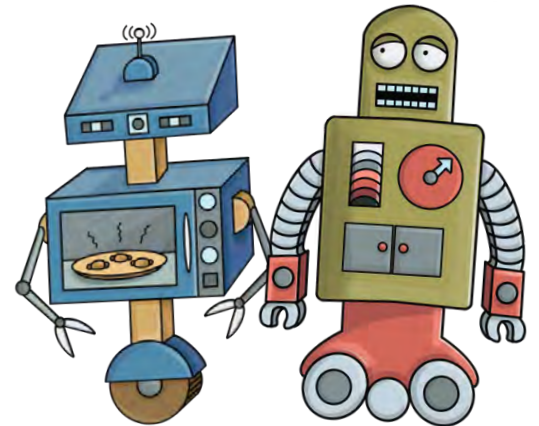
Describe your plan for this space to make it more accessible for rolling robots.

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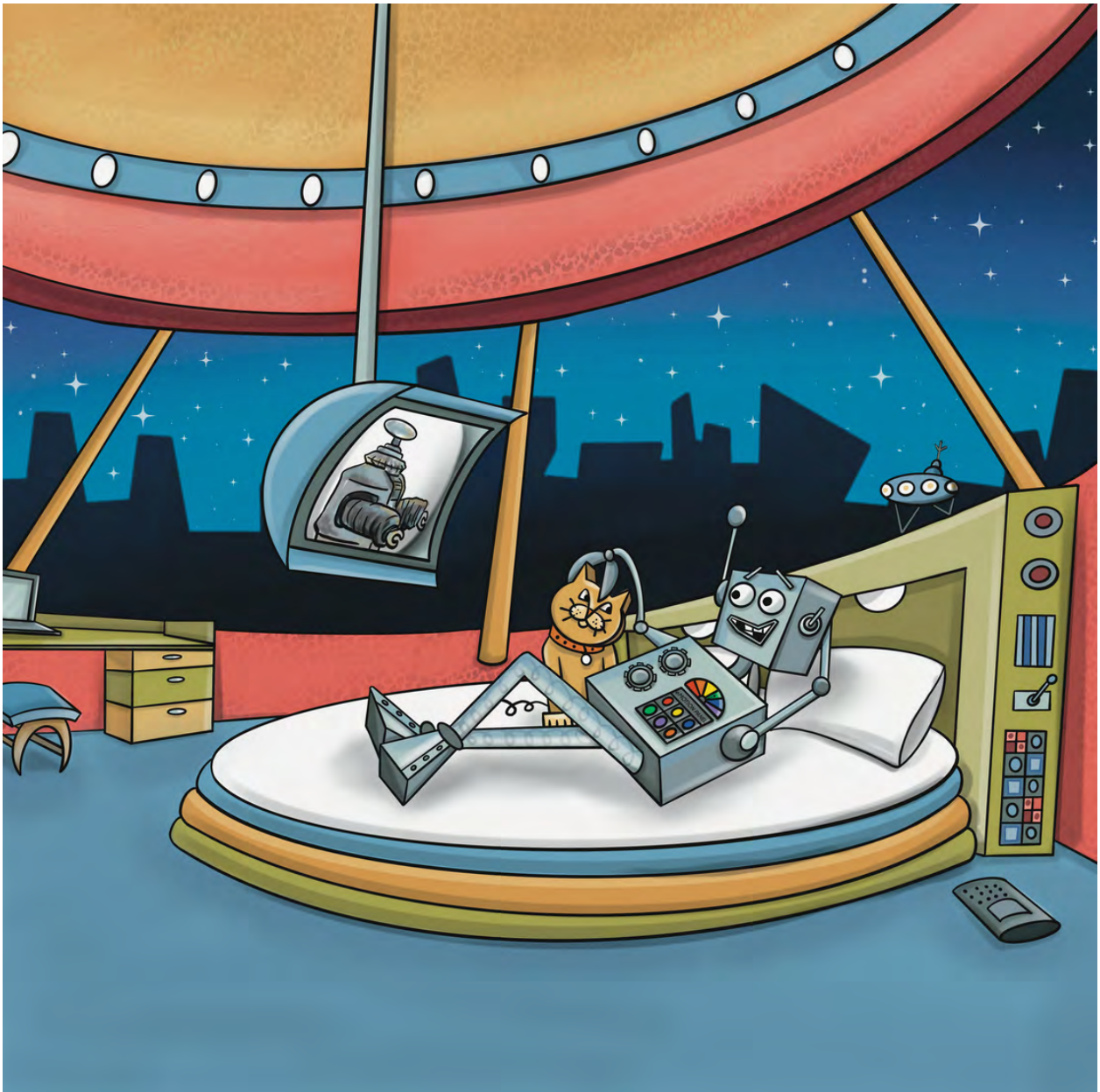
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**Discuss:** Take a look at the illustrations of PETER O'Meter. What do you see in the pictures that show how easy it is for rolling robots to move around?

# AR PETER'S WORLD

VIEW PETER'S BEDROOM WITH AR AS HE RELAXES WITH MEGA BYTES



SCAN  
WITH  
QUIVER



VIEW THE  
ART WITH  
AUGMENTED  
REALITY

## WHAT DID YOU SEE?

- The robot on the screen is a character from the original *Lost in Space* TV show from 1965.
- Out the window are two flying vehicles including one that is similar to a Volkswagen Beetle.
- Mega Bytes is PETER's robot cat. His name refers to his ability to store lots of love.
- What other things did you see?



# AR PETER'S WORLD

VIEW TINKERTRON SCHOOL'S PLAYGROUND WITH AR AS ROBOTS PLAY



SCAN  
WITH  
QUIVER



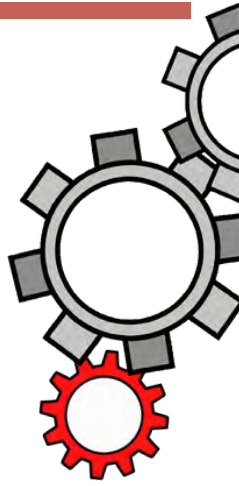
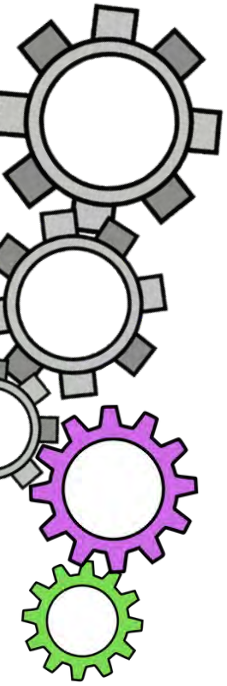
VIEW  
THE  
ART WITH  
AUGMENTED  
REALITY

## WHAT DID YOU SEE?

- Reggie-lator is playing on the **RoboSpinator**
- Maggie Netic and Argh-u-lot Bot are on the **Slide-o-vator**
- Ella Tronic and Mike-rowave are on the **Crank Shifter**
- PETER o'Meter and Ian-ization are on the **MagneMover**.
- What is Anita Tuneup doing?
- What is Anna Log doing?

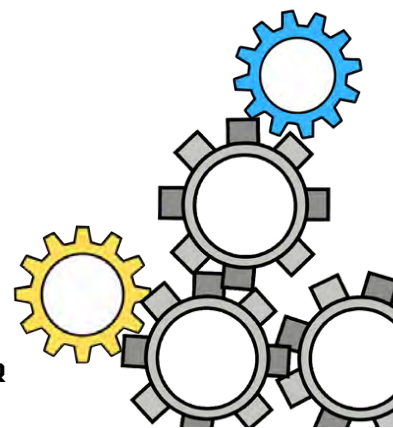
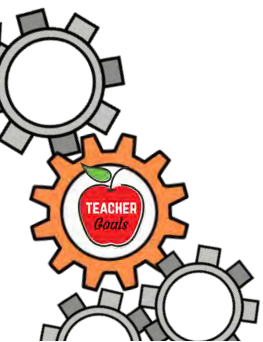
# AR TREASURE HUNT

EXPLORE THE BOOK WITH QUIVER APP TO FIND AR IN EACH OF THESE SCENES



- BOOK FRONT COVER
- SPINNING GEARS
- DEDICATION PAGE
- PETTING MEGA BYTES
- POLISHING TEETH
- PETER'S BUS STOP
- FRIENDS ASK QUESTIONS
- PETER SHOWS HIS PANEL
- MUTING THE CLASS
- ARGH-U-LOT ON TABLE
- ARGH FALLS WHICH BUTTON?
- GOING TO THE SHOP
- PLAYING AT RECESS
- ANNA LOG DANGLING
- LOOKING UP WHICH BUTTON?
- CATCHING ANNA

- COME JOIN US
- MAGGIE BY THE PLUG
- PETER BOILS WHICH BUTTON?
- MAGGIE PLAYS WITH FRIENDS
- PETER CLOSSES THE CIRCUIT
- PLAYING CIRCUIT MAKER GAME
- HEATING SNACKS WHICH BUTTON?
- SMILING ROBOTS
- VIEW OF TINKERTRON
- ELEVATOR OPENS WHICH BUTTON?
- WAYS TO UNWIND
- PETER KNOWS WHICH BUTTON
- FAMILY HUG
- AUTHOR PAGE
- DISCUSSION PAGE
- BOOK BACK COVER





## SIGN UP

FOR THIS  
STEP BY STEP  
MINI-COURSE TO  
CREATE ANIMATED  
EMOTIONAL ROBOTS

- 10 page packet
- video tutorial
- drawing guides
- SEL + art + tech instruction
- student samples

### PROJECT GOALS

- 1 Facial Expressions**  
 Students study the work of Rembrandt and practice drawing faces that express different emotions.
- 2 Symbol Animation**  
 Students will animate a symbol that reflects the emotion they choose in a flip book style using large, medium, and small.
- 3 Communicating feelings**  
 Students will capture the animated glow effect with video and audio as they describe the feelings of their robot.

### Animated Glow Examples made by 1st graders

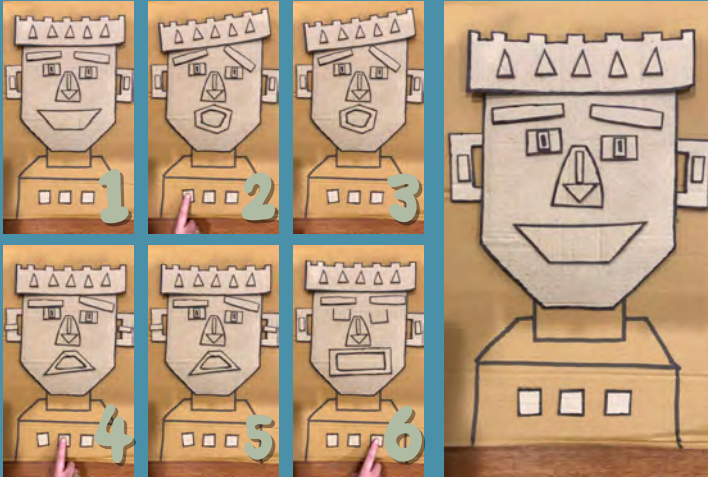
CURIOUS	FURIOUS	HAPPY	CALM
DEPRESSED	PROUD	SAD	EXCITED



Designed for iPads using Do Ink Animation and Drawing app



# FUGLEFUN RELATED LESSONS



## CARDBOARD EMOTIONAL ROBOTS

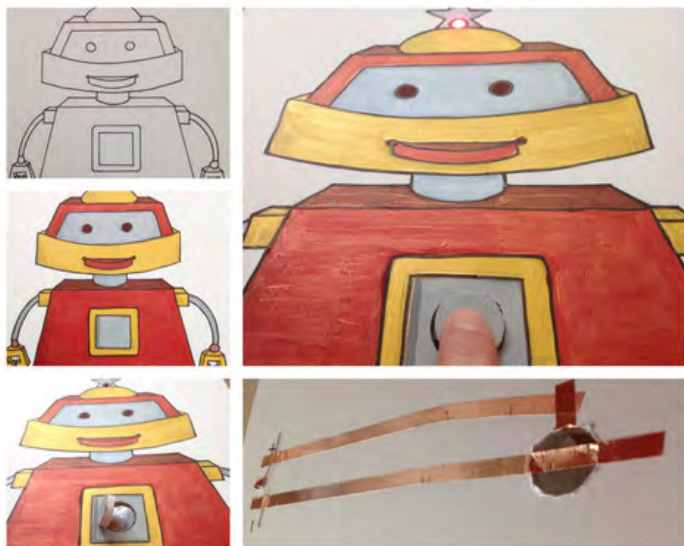
**SEL:** EXPRESSING EMOTIONS WITH FACIAL FEATURES

**ART:** RELIEF SCULPTURE, SHAPES, EXPRESSION, MOVEMENT

**DIGITAL ART:** ROTOSCOPE ANIMATION

**TECH:** STOP-MOTION ANIMATION

[bit.ly/fuglefuncardboard](http://bit.ly/fuglefuncardboard)



## LIGHT UP PAPER CIRCUIT ROBOTS

**ART:** DRAW & PAINT A ROBOT, 3D FORM, BALANCE

**DESIGN:** INTEGRATED BUTTON TO CLOSE THE CIRCUIT

**SCIENCE:** CREATE A CIRCUIT WITH COPPER TAPE, BUTTON BATTERY AND LED LIGHT TO LIGHT UP THE ROBOT

[bit.ly/fuglefuncircuit](http://bit.ly/fuglefuncircuit)



## AR EMOTIONAL ROBOT + POSTERS

**SEL:** EXPRESSING EMOTIONS WITH FACIAL FEATURES

**TECH:** HOW TO SET UP AR  
**ART:** DRAW, COLOR/MOOD, MONOCHROMATIC

**DIGITAL ART:** PAINTING, SYMBOL

**ART:** ANIMATED GIF

[bit.ly/fuglefunrobot](http://bit.ly/fuglefunrobot)

EXPLORE ALL OF TRICIA FUGLESTAD'S STEAM ART LESSONS

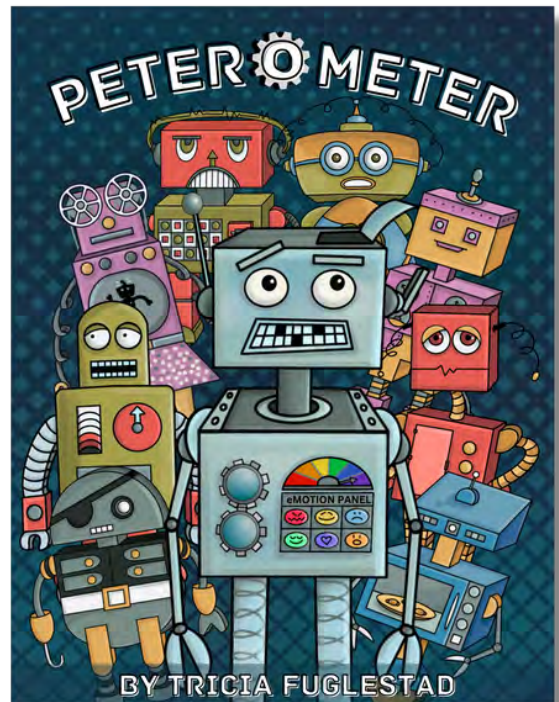


[FUGLEFUN.COM](http://FUGLEFUN.COM)

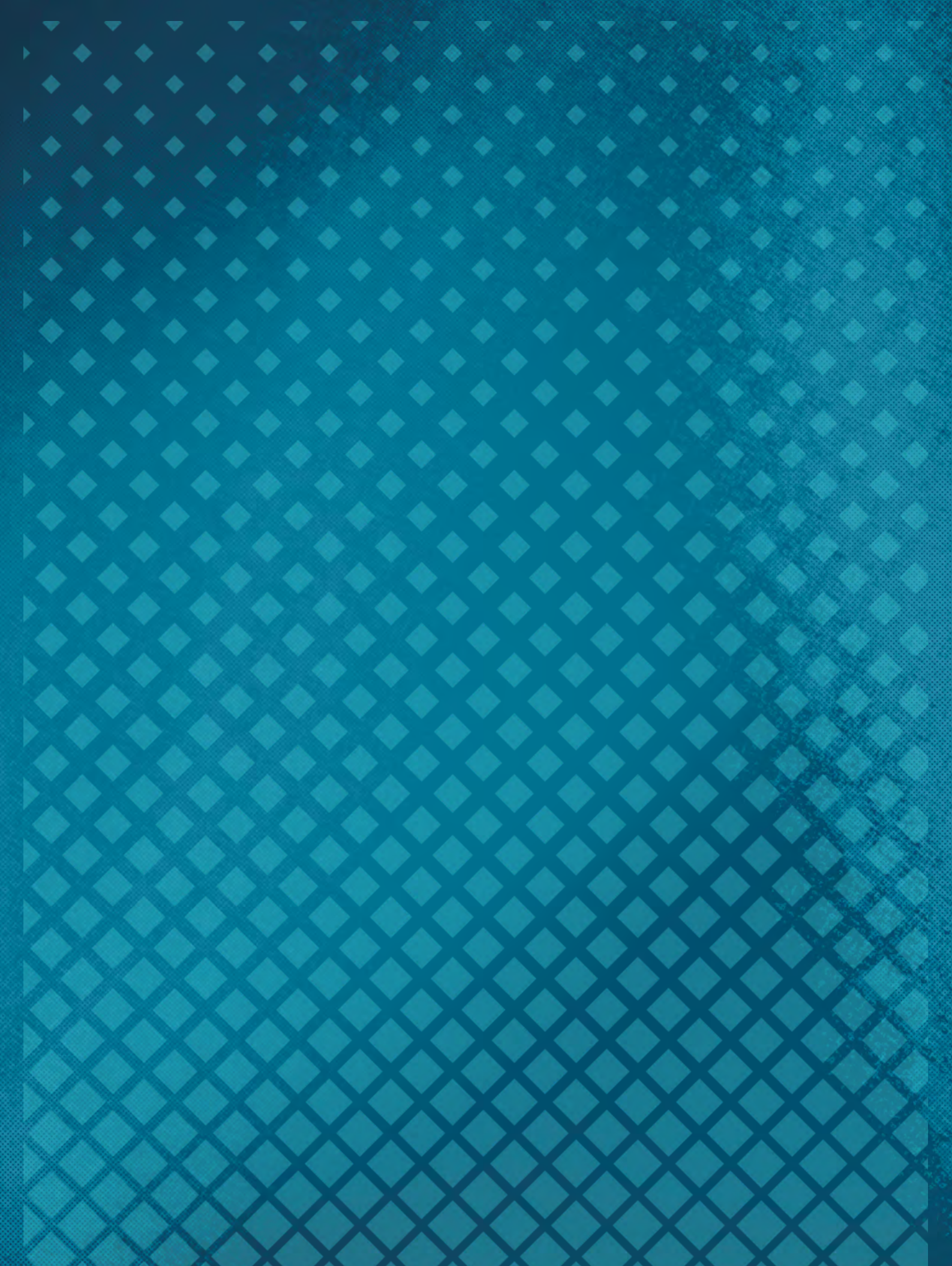


# CHECK OUT MORE

EXPLORE CHILDREN'S BOOK TITLES FROM TEACHER GOALS PUBLISHING



LEARN  MORE



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