

## **Remaking with Maker Tech**



**Hi-Tech Remaking Literacy Challenge Ideas**

**Spring 2022**

# High-Tech Remaking Literacy Challenge

## Build an App

Madee Ford

Coding with [code.org](https://code.org)

Grade: 5th-6th

### Standards for Technological Literacy:

Standard 3. 3-5. C: Demonstrate how simple technologies are often combined to form more complex systems.

### Big Idea:

“I can use coding to create an application that displays my writing to others in a creative way.”

### Background Knowledge

Students should have the opportunity to explore the App Lab at Code.org, prior to completing this challenge. They have multiple tutorials and courses on their website to introduce coding.

### Challenge

This challenge will take place during a unit on creative writing. Students will have had the opportunity to explore all types of writing, all formats, and all subjects. They should be given choice and the opportunity to explore the creative writing process. Examples of formats may include newspaper articles, a recipe book, a fashion blog, a sports magazine, short stories, a novel, etc. They will work to develop a sufficient portfolio of their work from creative writing which will be displayed within their unique apps.

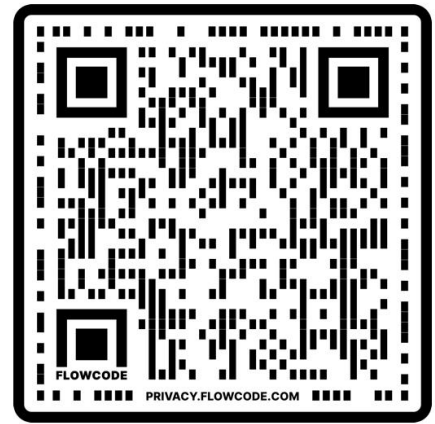
Each students app will include:

- At least 4 pieces of student writing (four articles, four recipes, four blog posts, etc.) (If a student chooses to write a novel or short story, alterations can be made to this requirement.)
- An “About Me” page to introduce the writer/app creator
- Visuals for each piece of writing

This website does require students to make an account, but it is free to use as are all of the courses available. On the website, students have access to much more than just the App Lab including game making, story telling, movie making, etc.

**Publication and Review:** Student’s apps will be published privately and accessed through a unique QR code. Each QR code can be printed and taped to the students desk for easy access during carousels. Students can then walk around the room, scanning codes with their school devices to review the work of their peers. These QR codes can be saved for use during parent night so that students can show off their work to their guardians!

<https://studio.code.org/projects/applab/lvsegVgNJcDrsoclZYLLCcBIi5GQlK3nT1oFs-gIsOg>





# Storybird

Become a better writer and  
show off your work!



Create a story using storybird

## Limitations:

- Your story should be about the moon phases or outer space
- Must be created on storybird
- Include terms we've been learning about
- Must have at least 6 pages

<https://storybird.com/picture-book/private/henry-the-astronaut-and-the-big-space-adventur>



# Henry the Astronaut and the Big Space Adventure

By: Victoria



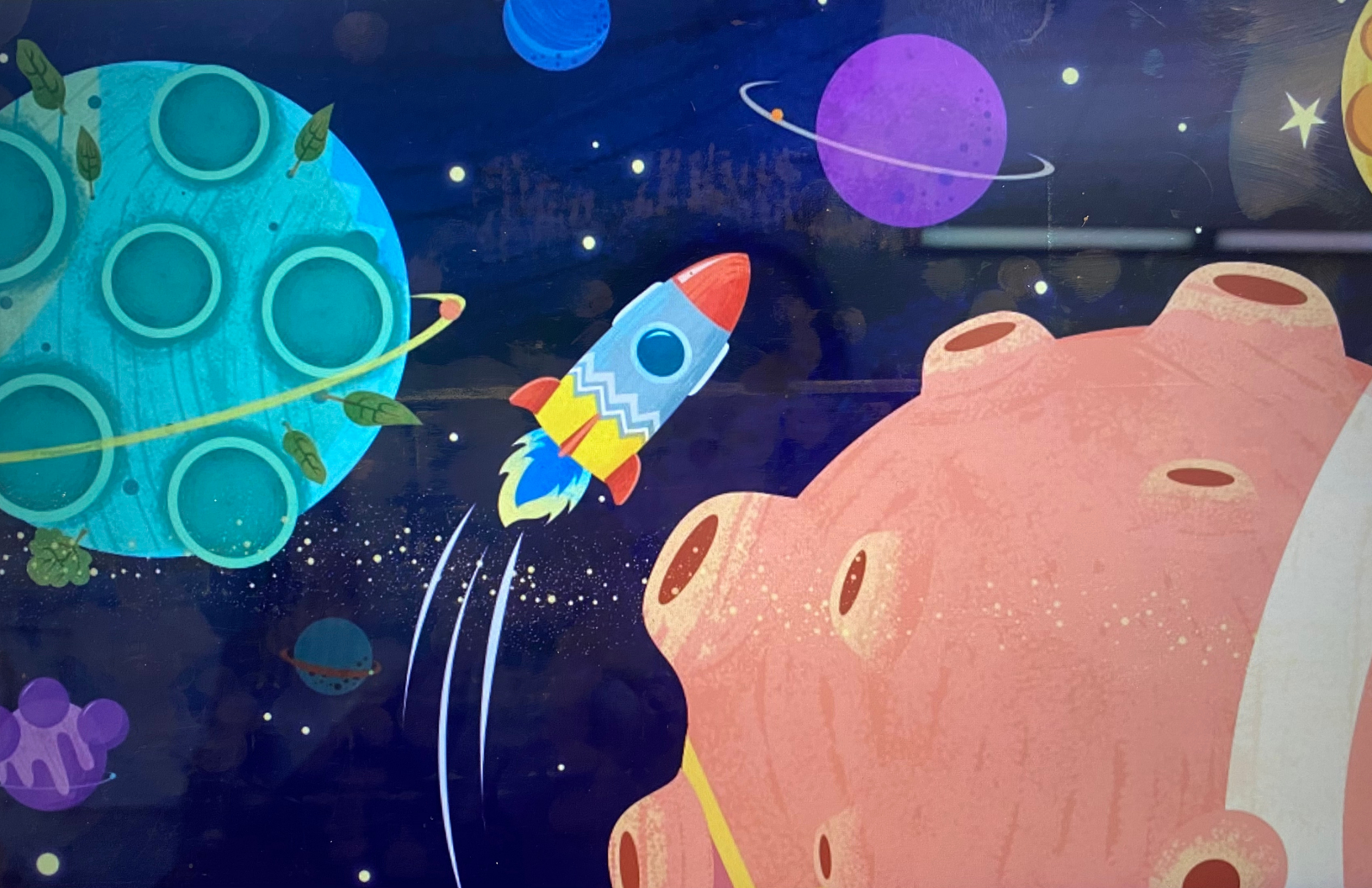


Henry is so excited to be the first ten-year-old to go to space!

3... 2... 1... Blastoff!!

Look at how close Henry is to the planet and the stars. There are eight planets in our solar system. Henry hopes to see all eight planets on his adventure.







Wow, look that planet looks like Saturn. They both have big rings. Did you know that Saturn is the only planet in our solar system that has a ring?



"I'm the first ten-year-old to step foot on the moon!"  
Look out your window, can you find the moon? Would you want to go to the moon?

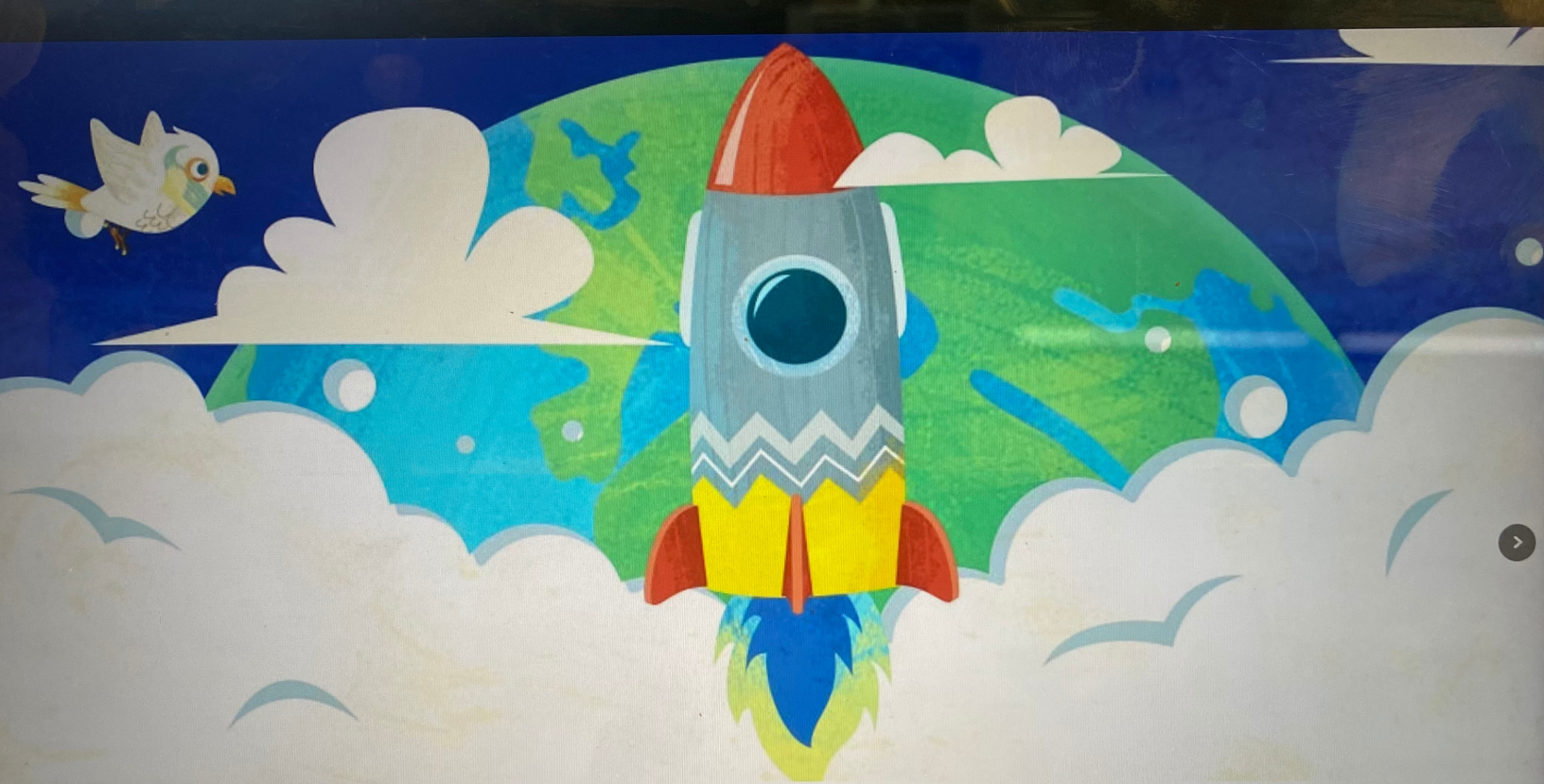


Look at Henry playing with the stars. Can you guess how many stars are in our solar system?





There are over one hundred billion stars in our solar system!



It's time to go back home. Henry can't wait to tell everyone back on Earth about his adventure to outer space!

# Pixton

A Comic Book development website

<https://www.pixton.com/>

**This website allows students to create comic strips using various characters, backgrounds, colors, text, etc. Student can write their own stories and illustrate them with this website.**

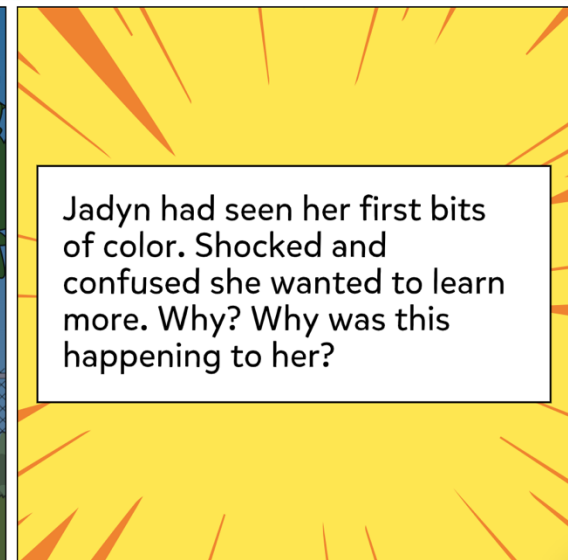
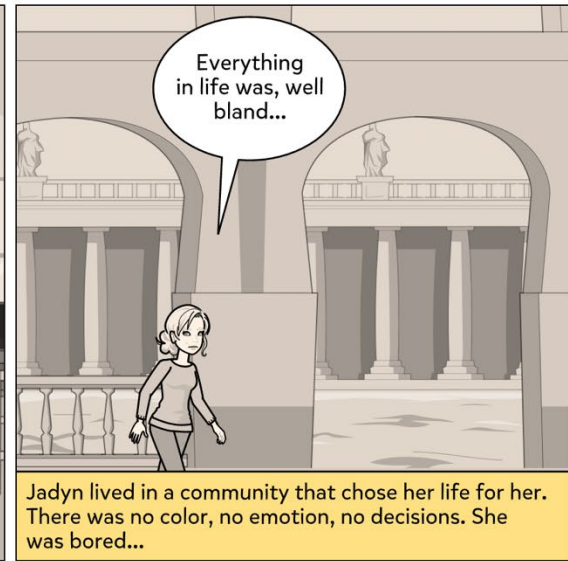
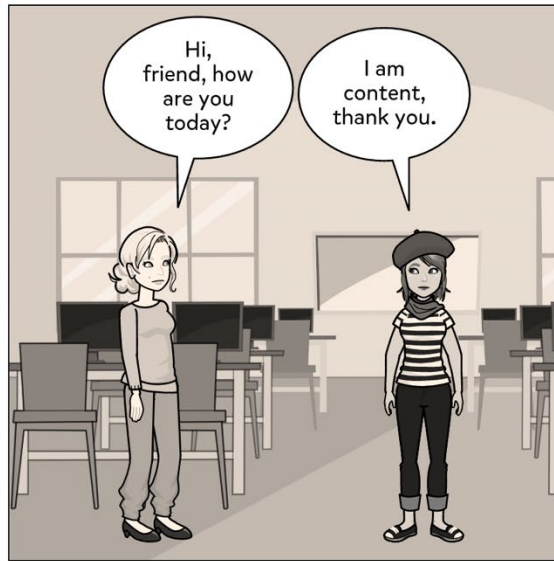
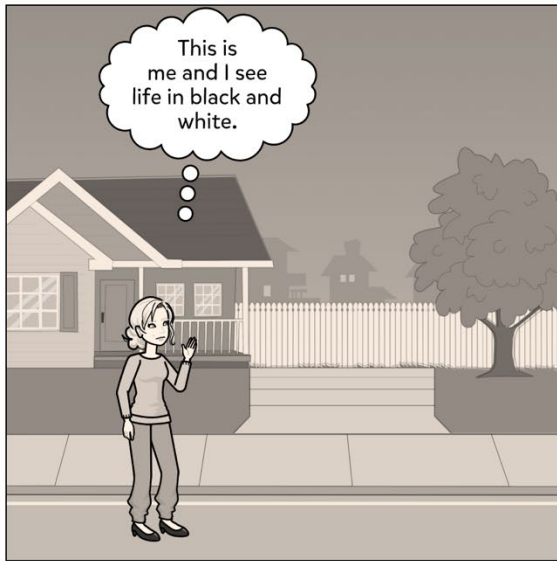
**There is a free option to the website, but it does not allow any downloads or printing; however, the teacher can assign tasks to the students and view them directly from the website. There are upgraded options that require payment and group options that an entire school could purchase for a discounted rate. Students will make an account in order to save their progress.**

## **Creative Options:**

- **Hundreds of Backgrounds**
- **Use of multiple characters**
- **Change the placement of characters**
- **Changing of colors**
- **Inclusion of text**
- **Changing of faces for emotion depiction**
- **Addition of panels**

**Sample Challenge from *The Giver* novel study: Using the journal entry from the prompt, “How would you feel in a colorless world?” Create a comic strip, at least 5 panels, that illustrates your thoughts from your journal by turning them into a story of a character seeing color for the first time. Your comic should start in black and white and eventually transition to color.**

Artifact created based on challenge:



## ONE-PAGER

### WHAT IS PADLET?

- Padlet is a digital tool that allows teachers and students to have a common board to post their thoughts on a “wall.”
- Students can upload, share, and organize content on a virtual bulletin board
- Learners can collaborate online using different tools offered on the site.
- Teachers can give students the unique link to the Padlet and students are able to post their ideas anonymously or with their name.
- The tools offered:
  - Text
  - Images
  - Links
  - Documents
  - Videos
  - Voice recordings
  - Drawings
  - YouTube videos
  - Songs
  - Location
  - GIFs



### HOW DO YOU USE PADLET?

- Teachers or students are able to create their own Padlet that can be shared with others.
  - Students don't need an account to post on the wall that is already created.
- Step 1: Go to [padlet.com](https://padlet.com) and create a free account.
- Step 2: Create a new Padlet wall by clicking 'Create New Padlet.'
- Step 3: Start creating your Padlet by 'Modifying This Wall' and using the + button to add to the wall.

## HOW CAN YOU USE PADLET IN STEM?

- Padlet allows students to create a discussion board that can be shared with others or they can use it to create a digital board.
- Students can add different features like videos, drawings, songs, pictures, and text to the board.
- Students can create an interactive one-pager.
- Padlet allows student collaboration or students can create their own Padlet that can be shared with the class.
- Students can be creative with tools on Padlet rather than just using drawings to create a one-pager.
- Students can bring in literacy strategies and create an interactive summary

<https://padlet.com/hundleynatalie/7o34uufms922d193>

The screenshot shows a Padlet board titled "Padlet One-Pager" by Natalie Hundley. The board has a red background with a pattern of red pencils. It contains several cards:

- Why Padlet?**: A text card explaining that students can create their own Padlet wall to add text and features, use it as an interactive one-pager, collaborate with others, share links, and make comments.
- How to Use Padlet**: A card with a video thumbnail titled "How to use Padlet in the Classroom - Padlet Tutorial" from YouTube.
- Remaking Literacy**: A card featuring a book cover titled "REMAKING LITERACY" by JOSE BARKIN, with a link to amazon.com and a description: "Remaking Literacy: Innovative Instructional Strategies for Maker Learning, Grades K-5; Classroom Maker Projects for Elementary Literacy Education".
- GIFs can be added to the board.**: A card with a GIF of a hand holding a pencil, with the text "SCHOOL'S BACK" overlaid.
- Students can add text to their wall. They can also add different features and tools to create an interactive Padlet.**: A text card.
- Class Websit**: A card for "UASTEM - Integrated STEM Education" with a photo of a student and a link to uastem.com.
- University of Arkansas**: A card with a photo of a large group of people at an event.
- One-Pager Example on Paper**: A card showing a hand-drawn one-pager with various notes and diagrams.

## High-Tech Remaking Literacy One-Pager

### FlipGrid

#### What is FlipGrid?

- FlipGrid is a website that allows users to create and upload short videos to discuss a variety of topics. The videos can have a background, text, and filters!

#### How can FlipGrid help students “remake literacy”?

- One idea I had for students to “remake literacy” through FlipGrid is to do a book summarization for a book. Students can record a 30 sec - 1 minute video about a book of their choice. They can place engaging stickers, text, or backgrounds on the video to help summarize the story.
- Another idea for FlipGrid is to have students help other students get more into reading. Older students can create a FlipGrid of one of their favorite books to present to a younger student. Teachers can team up with each other to match students together. The older students will create a FlipGrid that persuades another student to read their story. The video could be around 30 seconds long, and really hypes the book up on video! The video could also go both ways. The younger students can create a video for older students. This way, both students are encouraged to read some new books!

#### My Example:

<https://flipgrid.com/s/zK9acsyBuSmH>

# Flipping-Book



## What is it?

- An online Flip-Book maker and publishing platform.
- "Flipping-Book™ is software & cloud service for creating and storing professional online publications with a page flip effect. Convert your static PDFs into interactive flipbooks for clear and meaningful communication with your audience."

## How do you use it?

- “Transform your images, text, videos, and PDFs into ready-to-publish flipbooks and full-screen readers for every digital channel, format, and device.”
- Steps:
  - Upload your PDF or design a template yourself!
  - Add links, buttons, & videos to make your Flip-Book Interactive!
  - Publish or share online as well as download & print!

## How can you incorporate this in STEM?

- A “Flipping-Book” is a series of illustrations that when bound together in a specific sequence can create an illusion of movement that can be imparted by flipping them rapidly.
  - Show & bring to life the process of your design projects from start to finish.
  - Create a step-by-step instructional guide to your design challenges.
  - Design Challenge Idea #1: “Create a Flipping-Book script that can accompany your PSA green-screen video.”
  - Design Challenge Idea #2: “Show how your Tinkercad geometric creature designs have progressed by creating a Flipping-Book.”
  - Design Challenge Idea #3: “Create an online comic strip where something is created.”

## How can this connect to Literacy?

- Concept of Print:
  - Text contains meaning
  - Books contain letters & words
  - Left-to-right & top-to-bottom directionality
- Students are *making* a book!
- You can monitor student comprehension through their development of a Flipping-book, while also giving them a “purpose” for creating.
- Students can “activate their prior knowledge, ask and generate questions, make predictions, re-read, summarize, and make inferences.”
  - [https://sedl.org/insights/3-1/teaching\\_content\\_area\\_literacy\\_and\\_disciplinary\\_literacy.pdf](https://sedl.org/insights/3-1/teaching_content_area_literacy_and_disciplinary_literacy.pdf)

## What I created:

<https://online.flippingbook.com/view/644953974/>



# Green Screens in the Classroom!

AFTER:

BEFORE:

High-Tech, Low-Budget, Remaking Literacy!

## High-Tech Making:

Using a green screen in the classroom allows students to create a connection to literacy or any content matter in a highly creative manner. Green screens allow students to place themselves within the content and explore their specific interests. The possibilities are limitless and are student centered.

## Challenge:

At the beginning of the school year, as a Get to Know Me activity, each student will use the green screen to create a short 10 second clip about what their favorite book is and the background of where they wish they could read their favorite book! All clips will be put together to create a short video about our favorite books and our ideal spot for reading!

## Needed Materials:

- Chromavid App: This a free, user friendly app that allows you to use either a red, green, blue, or yellow backdrop as a green screen. In the app, you can chose a provided background or select your own from your camera roll. All videos save automatically to your camera roll!
- iPhone, iPad to film your video.
- Plastic Table Cloths (Red, Green, Blue, Yellow). Plastic table cloths are \$1.00 at Walmart. It helped me to layer two covers for better results when filming

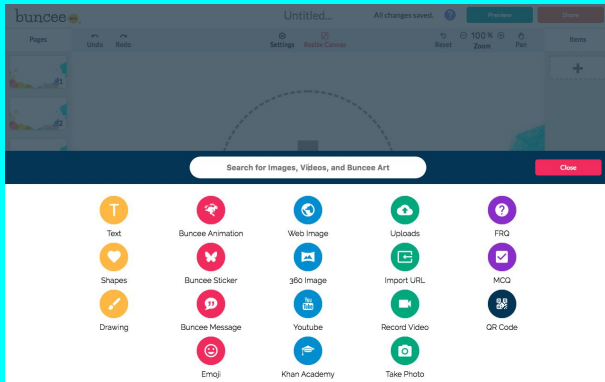
## Example:



Buncee is a cool tool that teachers can use in their classroom. Buncee has all kinds of premade templates that students and teachers can utilize. These templates can range from first day activities, group projects, brochures, teacher materials for your walls, etc.

Ways you could use this in the classroom:

- Note sharing
- Team project board
- Read aloud responses
- Personal portfolios
- Lesson share
- Classroom culture board



# Buncee

<https://app.edu.buncee.com/buncee/5f8a291bed6e4714bbe204135d846868>

One reason I really liked this for students was because they are able to make things with videos, backgrounds, stickers, youtube, pictures, drawings, etc. This will make the students work more unique and can include everything.

I made a get to know me slideshow. This could be used during the first week of school as a way for students to share some information about themselves. I used a template, but you could give students the freedom to make their own.

Abigail Schuder

[StoryBoardThat.com](http://StoryBoardThat.com)

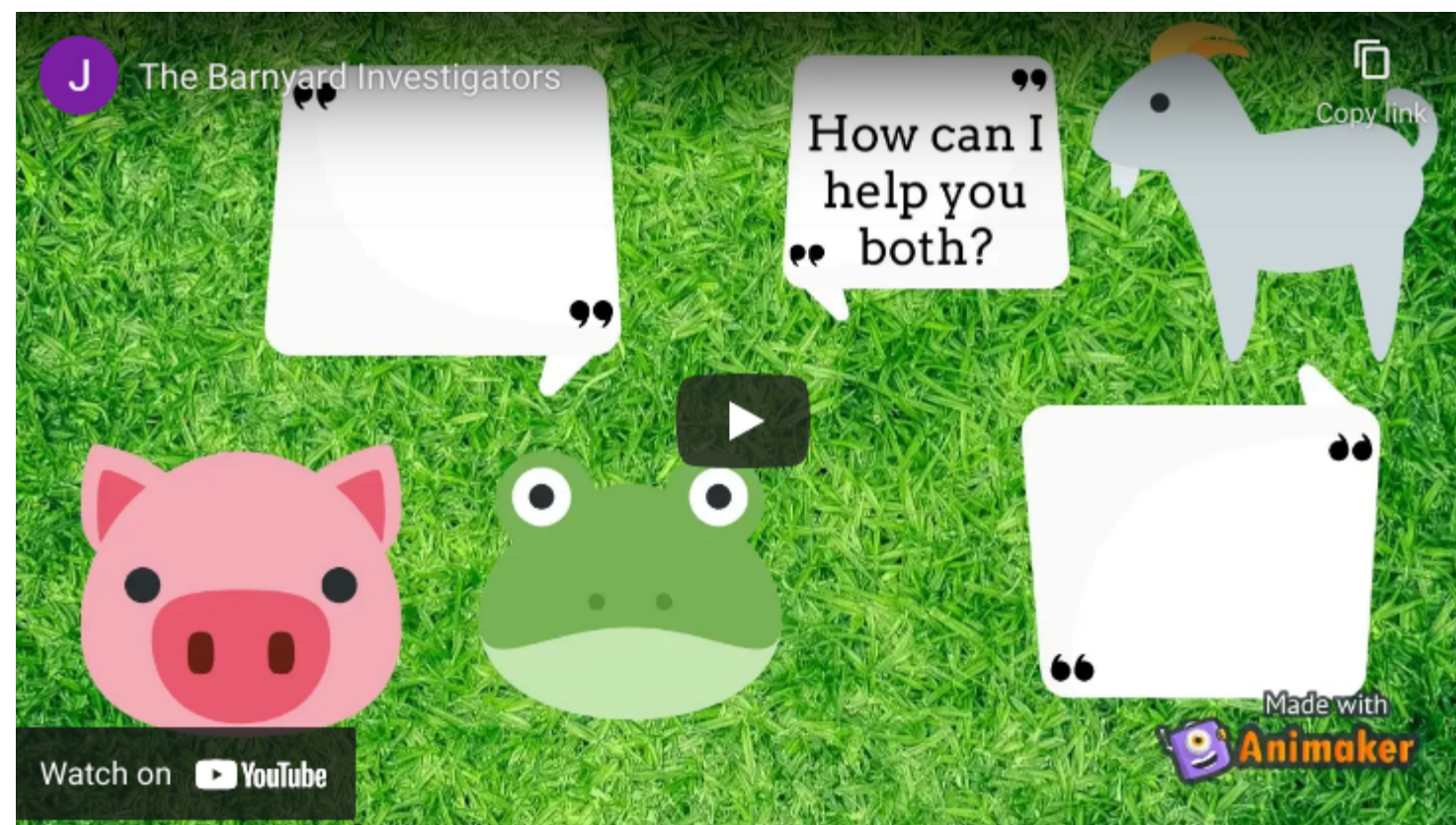
I chose to use the website called *StoryboardThat.com*, which allows teachers and students to digitally story tell and visually communicate. Teachers can create graphic novels and comics, share projects and planning, make posters, videos, and more! On the storyboard, you can place a background, and design a character that is unique to you. You can also add speech bubbles, objects, and shapes. Both teachers and students can create two storyboards a week for free! There is a subscription option for those who choose to upgrade, but that is optional. Students will need assistance to create a log-in to share their digital storyboard. The website is best accessed through Google Chrome.

Teachers can use this website in their classrooms in a few ways. When teachers are giving instructions, this easily accessible storyboard gives students the option to have both an auditory and visual explanation. Teachers can also use this website to create worksheets and posters. In regards to literacy instruction, students can use this website to create a summary of a book, create the main themes of a story, make the main settings of a book, or digitally story tell what they believe the ending of a book could be; Students can also use the story board to create their own stories. In regards to other subject areas, this website is a fun and creative way to integrate literacy into these subjects by digitally storytelling. I hope other educators find this website useful in their classroom, as I will be using this in mine!

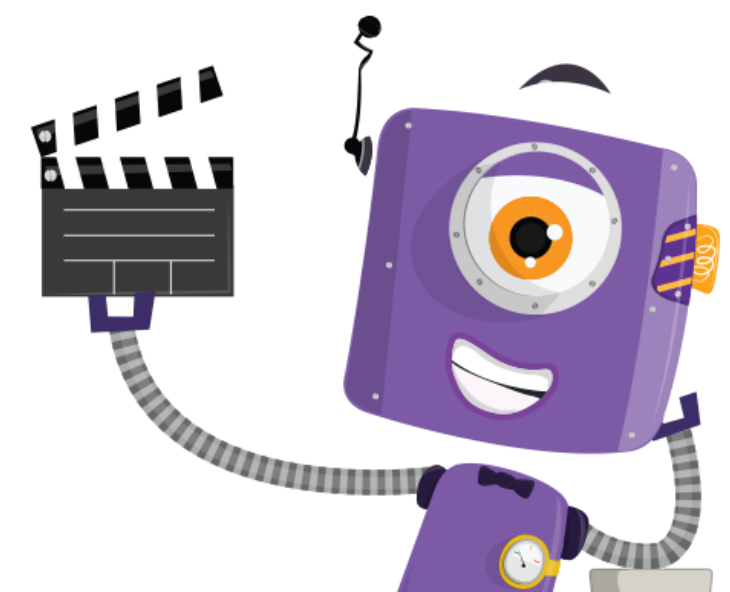
### Storyboard Example!



The High-tech program I chose was Animaker. Animaker allows you to create animated videos. It comes with a lot of different templates but also has a blank page so you can start from scratch. It has a lot of different characters and backgrounds for you to choose from to make your video come to life. Some of the characters and backgrounds aren't available unless you upgrade to premium which sometimes was a problem for me when designing my work sample but they still had all that I needed even though it wasn't what I initially wanted. Animaker also was a little slow at times and would mess up on what I created but it was pretty easy to use.



# Animaker



## Standards:

- **W.3.3.B** Use narrative techniques, such as dialogue and descriptions of actions, thoughts, and feelings to develop experiences and events or show the response of characters to situations.
- **Standard 7: Design in Technology and Engineering Education**
  - N. Practice successful design skills.

## Challenge:

Write a story using dialogue and descriptions of actions, thoughts and feelings to develop experiences and events or show the response of characters to situations. Then design an Animaker video that shows the events in the story you wrote.

Work Sample:

<https://www.youtube.com/watch?v=iCFyPHalm5Q>

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<https://wke.lt/w/s/bO-oNj>

I chose Wakelet for my high-tech remaking literacy challenge. This website is really cool but wasn't what I expected. I like being able to "post" things and have them visible for people to see. This would be neat to use with a class. We could personalize the background photos so that they related to the class culture. Wakelet could be a place for students to post their work that they are proud of. This would have to be regularly monitored to make sure everything is appropriate but also that everything is accessible so that students are able to share their work. You can also link the Wakelet onto a Google Classroom.

I thought that you could make things on Wakaelte, like posters or slide shows. You can make a text box which is useful, but you have to post a link to the project to get something on the main page. You are able to post a link, google drive item, youtube video, pdf, and a bookmarked website. There is a Creative Cloud Express option to create something, but I don't have a login for it.

<https://wakelet.com/wake/o3XsjWAWOpHLzS7Rq-ggo>

This is an idea of what I would want students to do. It has a lot of information but would be more fun than writing a paper. They can easily incorporate photos and videos.