

# Inventionland Institute Recommended



## Instructables

**Web Address:**

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

**Description:**

Instructables is a repository of "how to" guides and videos. It spans all kinds of making: from fine arts and crafts, through traditional hand skills, to life hacks, to modern technology. No project is too big or too small for Instructables.

**Hidden treasures:**

Scroll to the top of the page and click the CLASSES button.

This takes you to an assortment of classes available for you to take virtually.

## WQED PBS Learning Media

**Web Address:**

<https://wqed.pbslearningmedia.org/>

**Description:**

WQED PBS Learning Media is a resource with curated free videos and interactive content for all grade levels. Lessons are aligned to National Standards and Next Generation Science Standards. The content spans a wide variety of school subjects and is appropriate for students from pre-kindergarten all the way up through high school and beyond.

**Hidden treasures:**

- From the main page, click on Standards.
- Scroll down to and click on the type of standards.
- Choose between National Standards and Next Generation Science Standards.
- Scroll down to and click on Select Document.
- Select desired standard document.
- Check grade levels. (You may select more than one.)
- Enter keywords if desired.
- Click Browse.
- Standard statements are listed below. Click one to see lessons and videos connected to your search.
- You can filter the results by selecting options on the left side of the screen. They are:
  - Grade
  - Subject
  - Resource Type
  - Language
  - Accessibility
  - Additional features

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## Adafruit

### Web Address:

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

### Description:

At first glance, Adafruit looks like nothing more than an electronics vendor. While the site does indeed sell electronics and other techy supplies, there are also: blogs, forums, videos, and most importantly, lessons! Adafruit has a vast repository of projects, guides, and lesson plans to teach everything from electronics to programming, and it's all free to use.

### Hidden Treasures:

- From the main page, click LEARN.
- Scroll down to browse through guides, projects and tutorials or click the EXPLORE & LEARN BUTTON.
- EXPLORE & LEARN brings up a list of all the different topics you can explore.
- Click the desired topic to see the available guides, projects and tutorials for that topic.

## Breakout EDU

### Web Address:

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

### Description:

Breakout EDU is an immersive learning game platform that simulates the puzzle solving of escape rooms for use in the classroom or at home. Games are standards-aligned and appropriate for students from first grade on up through high school. The content of the games crosses over all the most common school subjects.

While a large portion of the resources and products must be paid for, Breakout EDU has released an entire library of games free to use. The free games are listed as “breakout fun at home.” To find these games, follow the steps below under “hidden Treasures.”

### Hidden Treasures:

- From the main page, scroll down, and click on LEARN MORE.
- Scroll down and click on BROWSE ALL THE GAMES.
- From the row of scrolling tiles, click on BREAKOUT EDU FUN @ HOME.
- Scroll down to browse through all the available free games.
  - Games range from grades K-2 to 9-12.
  - Subject, Skill Level, and Standards are shown on the right.
- To play a game, click on it's image. No fee or subscription necessary.

***You must create an account in order to access: game descriptions, game logic, and puzzle solutions.***

***Creating an account is FREE. To learn how to create an account follow the video link below:***

<https://www.youtube.com/watch?v=89Tj0letgo0>

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## Art for Kids Hub

### Web address:

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

### Description:

Art for Kids Hub is a series of instructional videos that teach kids how to draw, paint, do origami, and more. In these videos, a father draws side-by-side with kids. He explains each step as he goes and the child performs the step along with him. The videos do an amazing job of breaking down elaborate drawings, paintings and other projects into simple, easy-to-follow steps. They are addictively engaging and fun to watch.

There are multiple ways to watch the videos. Here are links to the different places the videos are posted. These are free, but contain ads:

- Youtube-  
<https://www.youtube.com/artforkidshub>
- Youtube kids (requires a youtube kids login)-  
<https://www.youtubekids.com/channel/UC5XMF3Inoi8R9nSI8ChOsdQ>
- Art for Kids Hub Blog-  
<https://www.artforkidshub.com/blog/>

There is also a paid membership which does not contain ads here:

<https://artforkidshub.tv/>

## Canva

### Web Address:

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

### Description:

Canva is a design resource website for graphic design. It has templates for: flyers, resumes, brochures, invitations, business cards, and presentations. It also has web based tools to help create layouts by following a guided, structured process. It has a host of other features and offerings, which vary between being free to use or requiring a subscription.

### Hidden Treasure:

- From the main page, click LEARN.
- Scroll down to find courses, tutorials, and guides.
- Click CANVA FOR EDUCATION
- Teachers and students are eligible to subscribe to Canva for Education for FREE by completing an application process and using their school email address.

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## STARTSOLE.ORG

Web Address:

<https://startsole.org/>

Video with more info:

<https://www.youtube.com/watch?v=5HvZR53kFBo>

### Description:

“SOLE” stands for Self-Organized Learning Environments. This website allows teachers to set up virtual learning environments with a big question for students. Students are broken into groups and put into virtual breakout rooms to explore the big question, then report their findings at the end. During the process they are able to discuss with each other, ask questions, and interact with students in other breakout rooms. The discussion at the end allows students to present their findings and debate with other students.

## Shake Up Learning

Web Address:

<https://shakeuplearning.com/>

Video with more info:

<https://www.youtube.com/watch?v=10y6Ah3RNd8>

### Description:

Shake Up Learning is a resource for teachers. There are lots of podcasts, courses, webinars, and a book available on Amazon. Lots of the courses are for sale, but there is plenty of free content as well. There's a large amount of content for using Google resources and how to become Google certified.

### Hidden Treasures:

- Go to RESOURCES.
- Type FREE into the search.
- Scroll through free content.

## Peep and the Big Wide World

Web Address:

<http://www.peepandthebigwideworld.com/en/>

### Description:

This is a resource for free videos and games that teach science and math to preschoolers. It features a colorful cast of characters along with live videos showing preschoolers experimenting with the concepts being taught through creative play.