

# TechConnected

TechConnected is made up of 18 guided projects that are designed to be adapted to any subject, allowing students to customize and focus on content creation.

Each TechConnected project can be completed in between 45-90 minutes depending on how students customize the content.



Tech Ready



Tech Connected



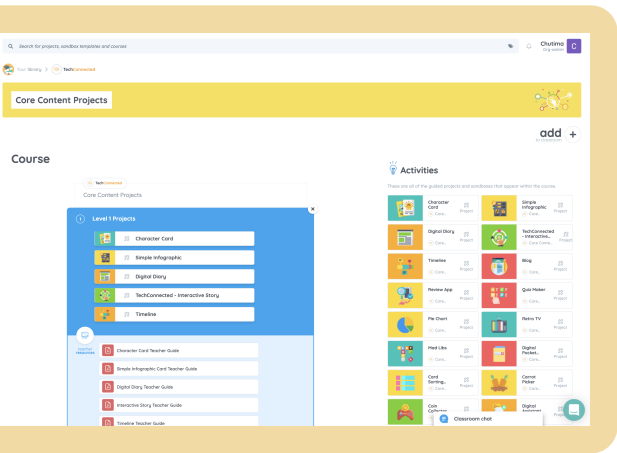
Tech Novators



Tech Future



Projects guide students through the creation of useful tools like a blog, pie chart, digital diary and other types of creative media with an emphasis on enhancing, sharing and demonstrating what they have learned in different subject areas. For example, students can make a blog related to their Social Studies and Language studies or make an infographic and data analysis related to Science. Along the way, students will gather experience in coding using HTML, CSS and JavaScript. At the end of each project, students can export to Sandbox for further customization or share outputs with classmates, friends and family with a public URL.



We provide a Teacher Guide for each project that gives tips on how to customize the content for different subjects and how to customize the projects for further use. TechConnected projects can be used anytime and do not follow a defined progression. Projects are labeled as Level 1 for beginners, Level 2 for intermediate learners and Level 3 for advanced learners.

\*Project descriptions can be found on BSD Online.

## Level 1 (Beginner)

Meme Maker

Poem

Character Card

Simple Infographic

Digital Diary

Timeline

## Level 2 (Intermediate)

Story Maker

Blog Maker

Review App

Quiz Maker

Pie Chart

Retro TV

Mad Libs

Digital Pocket Guide

## Level 3 (Advanced)

Card Sorting Filter

Carrot Picker

Coin Collector Game

Digital Assistant



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## Course Descriptions

Project Level 1 (Beginner)	Description
Poem	Learn how to format a poem in any style using HTML. When you're finished, you'll have a one-of-a-kind page that can be shared with family and friends.
Meme Maker	Design your own meme with a custom image and text. Along the way, learn how HTML and CSS are used together.
Character Card	Create a simple Character Card that shows the character name with an image. Students will also add character attributes like "likes" and "dislikes". After students complete the project, it can be customized in Sandbox.
Simple Infographic	Create a simple infographic using HTML and CSS to present your research and findings or reflections on any topic. This project can easily be adapted to share information on any subject with three subsections.
Digital Diary	Build a digital diary using HTML and CSS to practice expressing yourself. You can make a diary about your own experiences or choose a character from fiction or history.
Timeline	Make a horizontal timeline of events using HTML and CSS. This project is designed to be viewed on a mobile device and can be customized to include more events.
Project Level 2 (Intermediate)	Description
Story Maker	Build a story maker using a combination of logic, JavaScript conditionals, and creativity to make an organized story tree. Make a short story in the Guided Project or add more scenes in the sandbox to expand the story.
Blog Maker	Make your own blog with images and descriptions using HTML and CSS. You can create custom themes and blog about your favorite interests and adventures.

Project Level 2 (Intermediate)	Description
Review App	Create a book review app using HTML and CSS to write an introduction to introduce your app, along with 2 reviews of any book of your choosing.
Quiz Maker	Build a multiple choice trivia game that can be used across a variety of topics using HTML and JavaScript! You can easily add more questions to the trivia game after completing the project.
Pie Chart	By using HTML and JavaScript, make your own pie chart. In this project, you will learn how to use a JavaScript array to visualize data. Once you learn how to add the data, you can customize the pie chart with new sections.
Retro TV	Learn how to design a retro-style television with animated GIFs using HTML, CSS and JavaScript. Customize the project with your own GIFs and add multiple channels.
Mad Libs	Build a digital Mad Libs style story using HTML and JavaScript. Practice using a wide range of vocabulary elements in a fun way that allows for creative storytelling.
Digital Pocket Guide	Learn how to make a digital field guide of rocks using HTML, CSS and JavaScript. Customize the projects by adding your own images, descriptions and titles.
Project Level 3 (Advanced)	Description
Card Sorting Filter	Create a card sorting filter that displays cards in different categories. Learn how to use lists in HTML and how to style the lists in CSS.
Carrot Picker	Learn how to build a "whack-a-mole" style game using HTML, CSS and JavaScript. Learn to set up a scoring system and how to customize the characters.
Coin Collector	Learn to make a coin collector game using Phaser, a JavaScript framework for designing games. Customize the game with your own player, background and items to collect.
Digital Assistant	Learn advanced skills in JavaScript like making arrays and how to combine strings and variables through concatenation to make a personalized digital assistant.