



LT. GOVERNOR'S
Computing Challenge

CODING FOR GOOD
Introduction to the Challenges
February 9, 2021

CHALLENGE PURPOSE and HISTORY

- To encourage females and underrepresented populations to develop critical thinking and computational thinking skills
- To identify societal issues and address them with coding solutions
- 2020 Computing Challenge: Addressing COVID-19
 - <https://www.skills21.org/ltgovcovid-19challenge>
- 2021 Computing Challenge: Coding for Good
 - <https://www.ltgovcc.org/>

ELIGIBILITY

- Grades 3-12
- Independent or as a Team
- Groups ≤ 5 members
- Members must be in the same same grade band
- Grade Bands
 - 3-5, 6-8, 9-12

Coding For Good

- Spreads positive messages;
- Tackles important issues; or
- Promotes healthy habits.



Three Challenge Options



LT. GOVERNOR'S
Computing Challenge

WHICH TYPE OF CHALLENGE IS BEST FOR YOU?

CONCEPT CHALLENGE



Great project idea with complimentary audio-visual component.

PROTOTYPE CHALLENGE



Partially functioning prototype with the concept behind it.

DEVELOPMENT CHALLENGE



Fully-functioning project that users can engage with.

CONCEPT CHALLENGE: Overview

- Expectation
 - Identify a societal problem/issue
 - Propose a viable coding solution
 - Ideation only, no coding/development
- Submissions via Google Form
 - Written responses to prompts
 - Audio-Visual

PROTOTYPE CHALLENGE: Overview

- Expectation
 - Identify a societal problem/issue
 - Propose a viable coding solution
 - Develop a prototype/proof of concept
- Submissions via Launchpad
 - Development Plan
 - flowchart, storyboard, wireframe
 - Prototype
 - user interface with a minimum of one programmed, working feature
 - Video
 - Written Responses

DEVELOPMENT CHALLENGE: Overview

- Expectation
 - Identify a societal problem/issue
 - Design a viable coding solution
 - Develop a working coding solution
 - Fully Functioning Application
 - Work with a mentor [optional]
- Submissions via Launchpad
 - Written Responses
 - Video
 - Program Code
 - Working Application [optional]

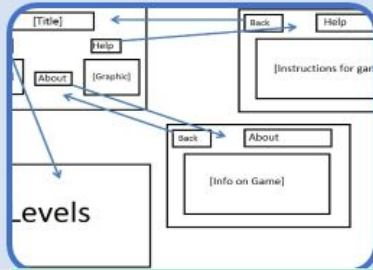
SUMMARY OF CHALLENGES



Concept Challenge

- Written Responses
- Audio-Visual Artifact

• GOOGLE FORM



Prototype Challenge

- Written Responses
- Development Plan
- User Interface
- Code 1+ feature(s)
- Video

• LAUNCHPAD



Development Challenge

- Written Responses
- Fully Developed Program
- Code all features
- Video
- Working Application

• LAUNCHPAD

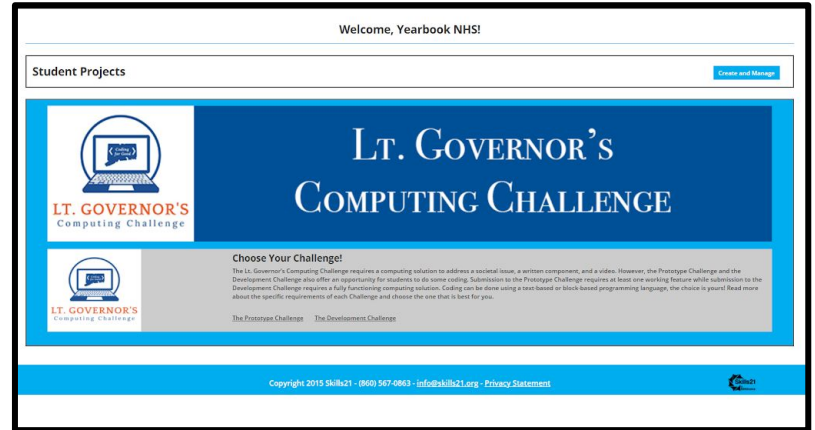
SUBMISSION PORTALS

Concept Challenge
[Google Form]



The screenshot shows a Google Form titled "LT. GOVERNOR'S Computing Challenge". At the top, there is a logo featuring a laptop with a computer monitor displaying the challenge name. Below the logo, the text "LT. GOVERNOR'S Computing Challenge" is displayed. The main heading of the form is "Concept Challenge Submissions". Below this heading, there is a red asterisk followed by the word "Required". At the bottom of the visible form, there is a text input field labeled "First Name *".

Prototype & Development Challenge
[Launchpad]



The screenshot shows the website for the "LT. GOVERNOR'S Computing Challenge". At the top, there is a navigation bar with the text "Welcome, Yearbook NHS!". Below the navigation bar, there is a "Student Projects" section with a "Create and Manage" button. The main content area features a large blue banner with the text "LT. GOVERNOR'S COMPUTING CHALLENGE". To the left of the banner is a logo featuring a laptop with a computer monitor displaying the challenge name. Below the banner, there is a section titled "Choose Your Challenge!" with a paragraph of text explaining the challenges. Below this text, there are two links: "The Prototype Challenge" and "The Development Challenge". At the bottom of the page, there is a footer with the text "Copyright 2015 Skills21 - (800) 567-0863 - info@skills21.org - Privacy Statement" and a logo for Skills21.

CHALLENGE TIMELINE

- [Announced by Lt. Governor Bysiewicz](#) on January 25, 2021
- Submission portals will open on February 22, 2021
- Submission deadline is April 30, 2021
- Review and judging of submissions will occur in May 2021
- Recognition event will take place in June of 2021

MORE INFORMATION

- Visit the Lt. Governor's Computing Challenge Website:
www.ltgovcc.org
 - Upcoming and recorded webinars (registration required)
 - Videos
 - Prompts and Submission Guides
 - Additional Tools
- Email questions to info@ltgovcc.org

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QUESTIONS AND ANSWERS

