



Applying UD Principles to an Early Childhood Education Website: <https://www.childhood-first.com/>

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Objectives

01

Learn

- about the main features of an accessible website.

02

Assess

- the “Childhood First” website, focusing on accessibility.

03

Prioritize

- necessary changes and adjustments to the website.

04

Implement

- a step-by-step redesign strategy.

Inspiring quote

-
- “Focusing on difference rather than deficit supports the social model of disability and other integrated approaches within the field of disability studies that consider variation (...) a normal part of the human experience. Thus, disability is viewed simply as one aspect of a spectrum of human variations.”

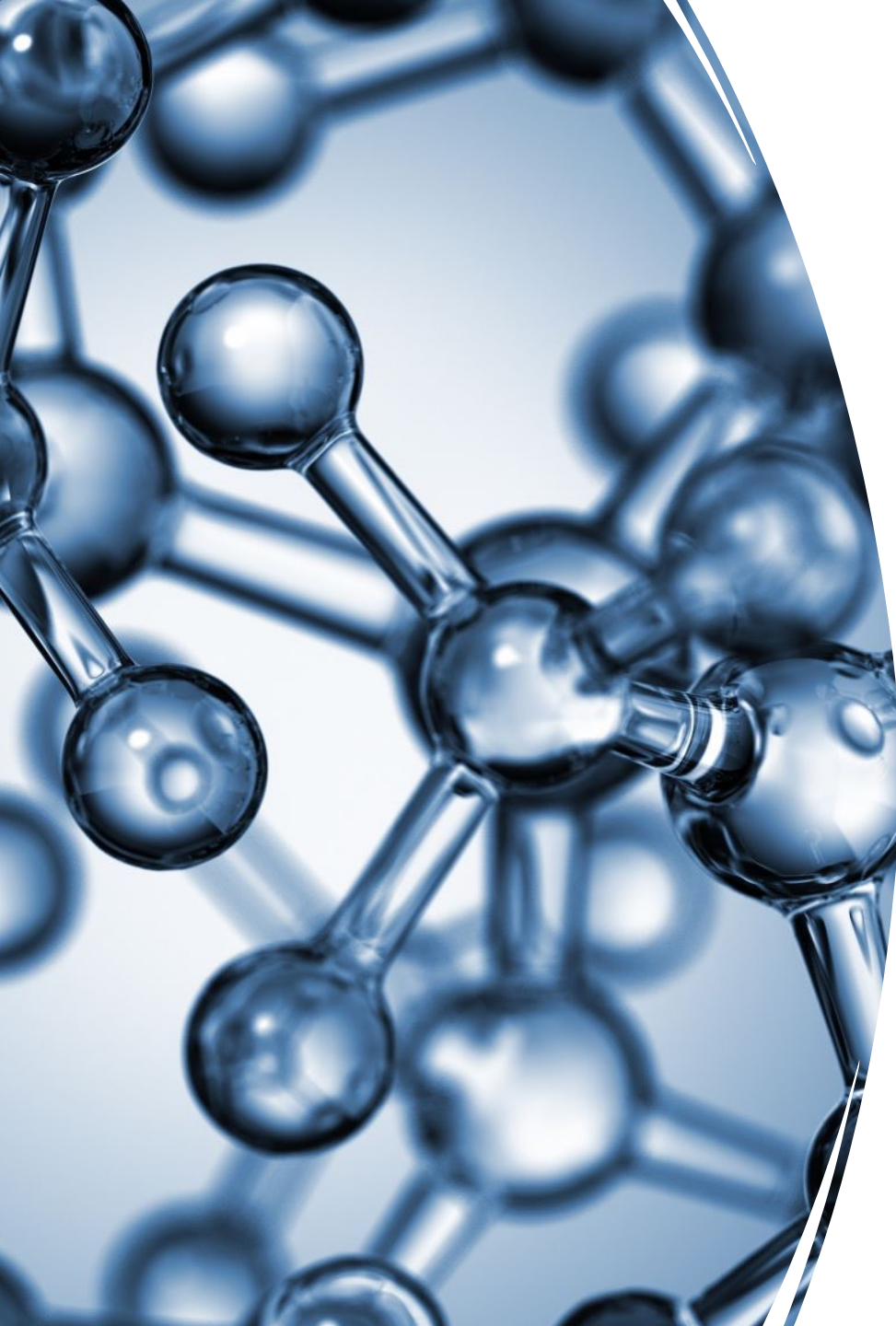
Sheryl E. Burgstahler





01. LITERATURE REVIEW

- Below are some key insights from universal design for learning (UDL) models, which are applicable to website design:
 - *Learning differences.*
 - Do not crowd too much content on the screen.
 - Provide accessible document formats.
 - Enable vocabulary support (built-in access to word definitions).
 - *Visual differences.*
 - Choose fonts carefully: Arial and Tahoma are the easiest to read for students with low vision.
 - Ensure the font is large enough to be read comfortably.
 - Make mindful color and design choices.
 - Provide brief descriptions of pictures in word.
 - *Hearing differences.*
 - Closed captioned videos are essential to providing all learners with the best quality video and content.
 - Enable conversion from audio into text for the hearing-impaired.



02. ASSESSMENT

Following a literature review, which included an analysis of the W3C Web Accessibility site, an in-depth assessment of the Childhood First website was conducted.

This internal evaluation found the following areas of improvement: adopting more user-friendly content, as well as facilitating key accessibility features, such as non-motion videos; captioning videos, and description of tables.

In addition, an accessibility score was requested to "*Siteimprove*". It gave a **71.2/100 overall page score**, with an 100/100 on level A; an 80/100 on AA-level score; and 34/100 on AAA-level, the highest standard of accessibility.

03. Priorities



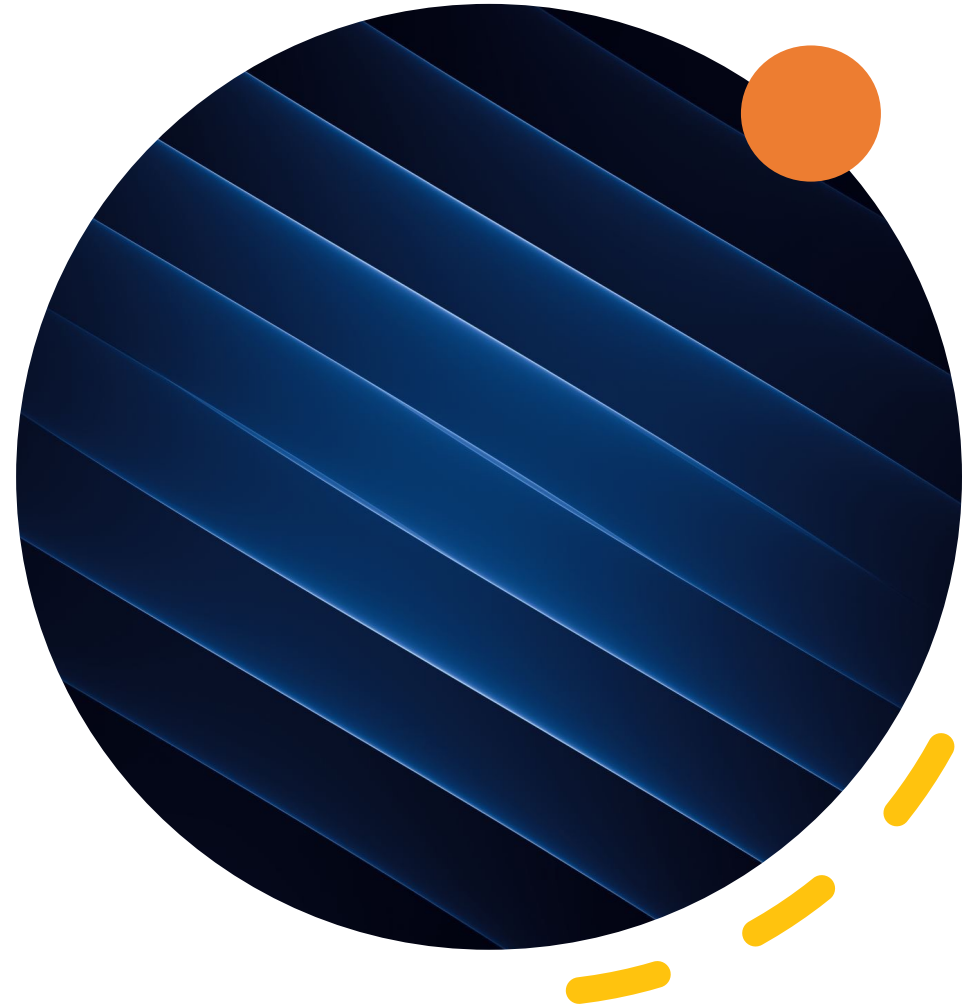
A brainstorming session was organized to identify features that could enhance accessibility.



Following the brainstorming session, similar ideas were gathered into groups.



After this categorization, a set of items were ranked in order of importance and feasibility.





4.1 PAGE STRUCTURE

The flow and structure of the website could improve by adding subsections of content in the main menu and enabling a larger cursor.

info@childhood-first.com

CHILDHOOD FIRST LEARN, LOVE & HAPPINESS

[HOME](#) [ABOUT US](#) [OUR MODEL](#) [EDUCATIONAL TOOL KIT](#) [MOBILE APP](#) [TURNKEY SOLUTION](#) [WHO WE WORK WITH](#) [PHOTO ALBUM](#)

WHO WE ARE
OUR TEAM
VISION
MISSION
PARTNERSHIP

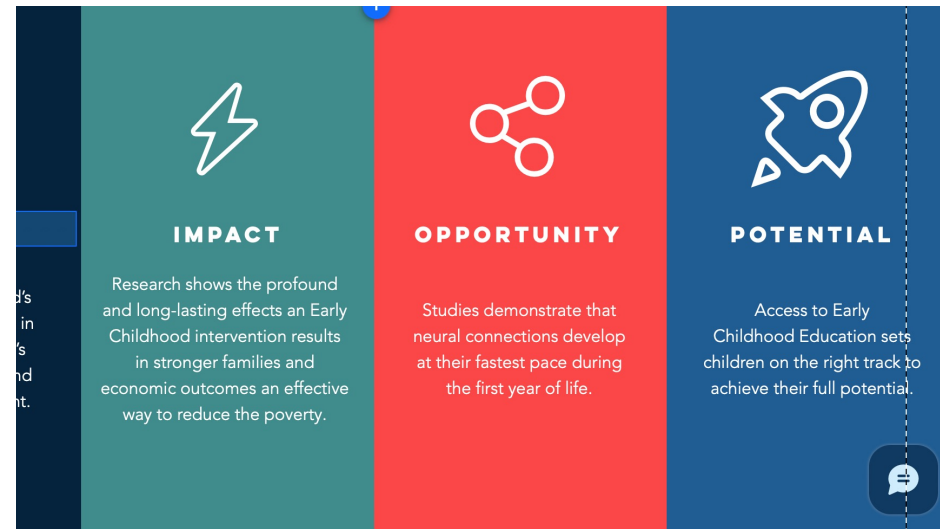
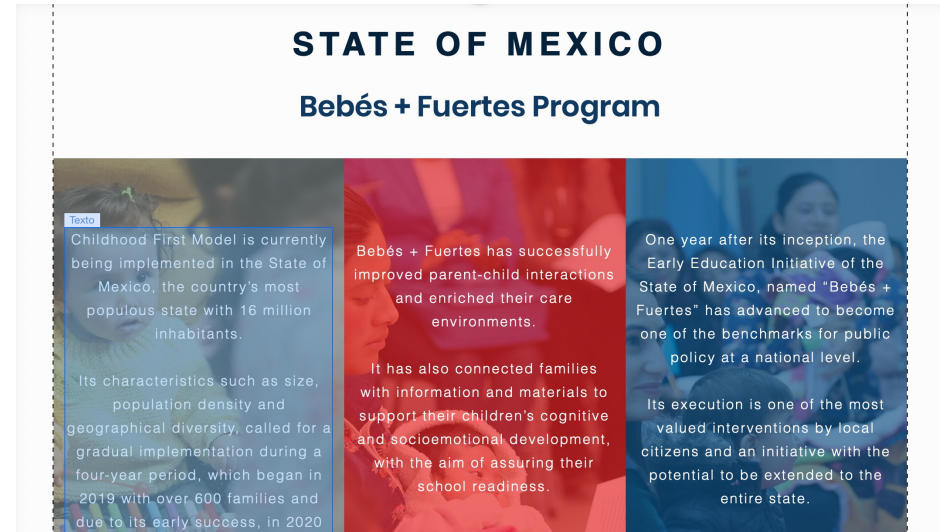
CHILDHOOD FIRST
EARLY CHILDHOOD EDUCATION MODEL
BY ACCEDE INNOVACIÓN

- Create a synthesized searching menu
- Short sentences and possible topics of interest



4.2 CONTRAST

- Primary colors are used, but there are some combinations that need **more contrast**.
- Text and images would improve by adding **sufficient contrast between foreground and background** color combinations.
- The clarity and **quality of the photos** should be enhanced.



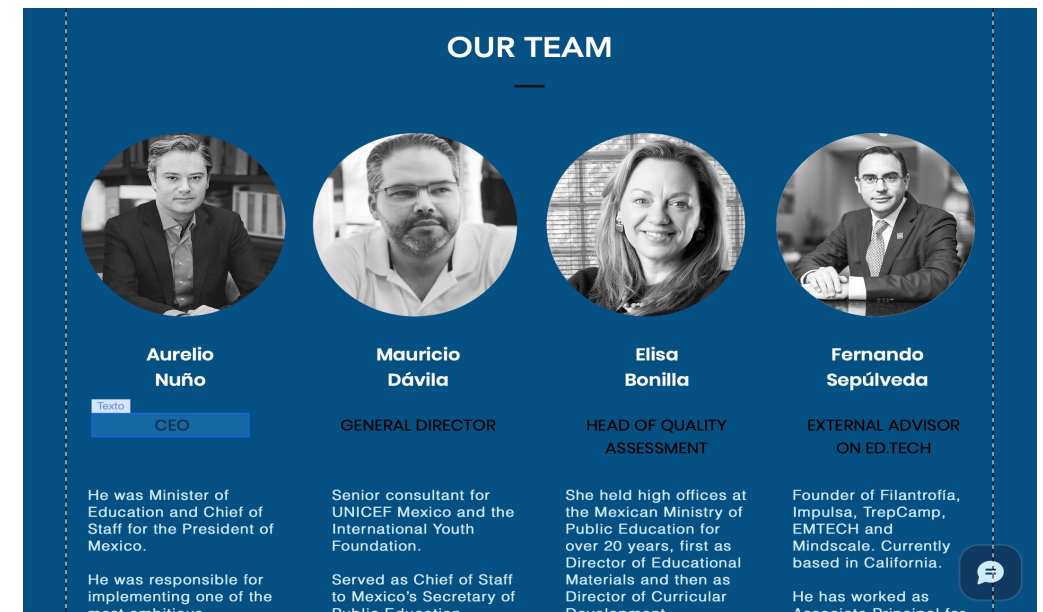
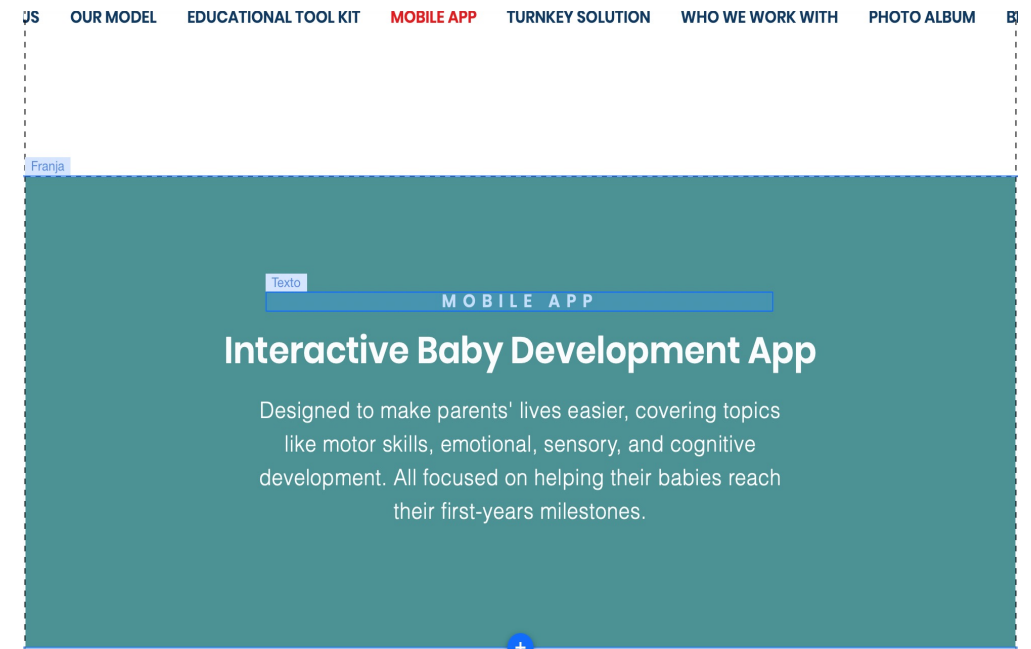
4.3 IMPROVE MOVING CONTENT CONTROLS

Add functionalities to turn off moving, blinking, or flickering content, and background audio.



4.3 FONTS & HEADINGS

Make **bigger** and **clearer** fonts and standardize headings according to their level of importance.



4.4 TEXTS AND BUTTONS

Educar niños sanos y felices

guide aimed at mothers, parents, and caregivers contributes, through an informed and loving upbringing, to the development of the physical, intellectual and emotional capacities of each boy or girl from 0 to 3 years of age, thereby promoting equity from early childhood.



Botón
Purchase

Las emociones de mi bebé

Parent and caregivers manual, which contains activities and recommendations developed over 25 cards for the main objective of promoting the social-emotional development of children from 0 to 3 years of age.



Purchase

Ven, te cuento

Illustrated storybook with opening lines and story starter lines per sheet. Each page invites parents to tell a story of their own invention and includes a user guide to learn how to tell stories to children.



Purchase

- Use text that make sense, even without context and technical expertise.
- Add highlighting or shadow effects in buttons.

4.5 MULTIMEDIA ACCESSIBILITY

- Photos should include a description for people who cannot see them.
- Videos need to include **captions, and graphics** should have **descriptions**.

ANIMATED VIDEOS

20 illustrated videos with content related to the cognitive, physical, and linguistic development of minors.

Each video will serve as a complement to deepen the main ideas presented in the guide for caregivers and in the social-emotional manual.



This is an animated video about the importance of nurturing. Each bullet explains the suggested tips for better bonding

Bring our Early Learning Model to Your Community

Our turnkey solution enables an international network of program sites like school districts, agencies, NGOs, and local governments, to replicate our proven Childhood First Model, according to the community of interest and its population.

What we offer

To start up a new early learning care program based on our Childhood First Model, we offer you a package of licenses easily adaptable and ready to use.

Our licenses include:



4.6 ACCESSIBLE TECHNOLOGY COMPATIBILITY

- Enable translation to **users preferred language** English/Spanish.
- Upgrade website to be compatible with add-ons and extensions.



Thank you!

Please share your thoughts and comments at:

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