A sunset scene at an airfield. The sky is filled with soft, golden light from the setting sun, with scattered clouds catching the light. In the center, a helicopter is in flight, its rotors blurred. To the right, several fighter jets are parked on the tarmac, with a few ground crew members visible near them. The overall mood is serene and professional.

TECHBOOK LANDING

Course and Unit Page Redesign

Elizabeth Schinazi
Last Updated 02.16.18

Overview

When the Techbook platform was updated with redesigned concept pages, course and unit pages were left on the old platform due to timing constraints. There is now time to update these pages.

BUSINESS GOALS

- Upgrade existing course and unit pages to python code base to drop support for Cold Fusion, improving system performance.
- Ensure responsive and accessible views for all pages

DESIGN GOALS

- Redesign Course and Unit pages to more closely match concept views, creating a more consistent and cohesive experience within each book, as well as across products.
- Help users discover course-supporting materials
- Provide a friendlier experience for elementary students
 - Elementary CSS /Upper Grades CSS: Differentiating views based on grade-level

Project Overview: https://drive.google.com/open?id=1D3UTv7r99KtRi4cZbbxmPlyE4WV8hWs3egMyPV_loxw

Project Schedule: https://drive.google.com/open?id=1t2jLKClZm8qL4GCmu_WCbzRPOysSfvBra5fE2mJ1xZc

Stakeholders

PRODUCT

Elizabeth Catania, Techbook Product Owner

Amy Long, Math Techbook Product Owner

Julia Stewart, UX and Design Director

DIG

Marty Creel, Curriculum Director

Matt Cwalina, Curriculum

Amy Gensemer, Science Curriculum

Kevin Jenkins, Social Studies Curriculum

Patrick Vennebush, Math Curriculum

DEVELOPMENT

Linda Frascarella, Project Manager

Anthony Maro, Mobile and UX Development Director

Phase One | NGSS California

KEY DATES

Design - 02.23

Development - 04.06







KEY REQUIREMENTS

Create California-Specific Unit page for Science Techbook to highlight key California curriculum needs, including new content:

- Unit Anchor Phenomenon
- Concept Investigative Phenomenon, Student Outcomes, and Standards

Create California-Specific Course page for Science Techbook to meet adoption deadline

PROGRESS

	Requirements Gathering
	Wireframes
	User Research
	Design
	Usability Test <i>IN PROGRESS</i>
	Development <i>IN PROGRESS</i>

Research Findings | NGSS California

USER SURVEY RESULTS

- Design and Content gets positive reviews with Experienced NGSS Teachers
- More research needed to understand inexperienced teachers perception
- No clear consensus on using the labels “Anchor Phenomenon” or “Investigative Phenomenon” with students, but the lack of certainty suggest that we may be better off using different labels for students.

USABILITY TEST RESULTS

In Progress...

Goals

- Identify the strengths and weaknesses of the new design and provide additional feedback for improvements.
- Gain better awareness of teacher use and understanding of NGSS

Unit Page Survey Results: <https://docs.google.com/document/d/1Gpyk3WyWlq6RI75AveA3z-mRXInrpbC5rAqcOThhTGw/edit?usp=sharing>

Usability Test Script: <https://docs.google.com/document/d/1CnbjzixOUtSbs3-wgHb2HedtEWTqcCDTbGZ1bhipWc/edit?usp=sharing>

Proposed Designs | NGSS California

SCIENCE TECHBOOK

Grade 1 California

Home Standards Course Resources

Grade 1 California

Grid View Table of Contents

Plants Sound Day and Night

UNIT 1 Playground Forces

UNIT 2 Life Cycles for Survival

UNIT 4 Weather Impacts

CONCEPTS

11 Magnetic Force

21 Life Cycles

41 Regional Climates

12 Static Force

22 Inherited Traits

42 Predicting Weather

SCIENCE TECHBOOK

Grade 1 California > Unit 1

Plant Shapes

Unit Overview Unit Resources

Anchor Phenomenon

Need for Urban Gardens

Food deserts are places where people cannot find fresh food. In this unit, you will learn about different types of plants and how they grow. At the end of the unit, you will be able to use the information you learned to design an urban garden to grow fresh food.

Guiding Questions

1. How can we tell different types of plants apart?
2. How do these differences help the plants?

Concepts

1.1 Plants for Purpose →

Prototype: https://discovery.invisionapp.com/share/SEG011UVMN5#/screens/280998436_Course_Overview_3

Phase Two | Course and Unit

KEY DATES

Design - 04.06.18

Development - 06.01.18

KEY REQUIREMENTS







COURSE PAGE

- Updated Table of Contents with improved Standards display
- Retain Visual Overview with “Discovery” Imagery and color
- Promote Course-Level supporting materials for teachers and Students
- List of Concept Resources (like the Standards search)

UNIT PAGE

- Elevate Unit Opener Video (MTB)
- Retain SSTB Imagery
- Access to Unit Assessments and other unit-level materials

PROGRESS

	Requirements Gathering
	Wireframes
	User Research
	Design
	Usability Test
	Development

DIG Conversations | Course and Unit

COURSE PAGE

VISUAL OVERVIEW

- Maintain some sort of Visual Course View that retains “Discovery” feel with imagery, color, as well as kid-friendly styling.
- STB: Remove Thee Subdiscipline Constraint (Follow SSTB Model allowing multiple subdisciplines)

TOC VIEW

- Improve Standards display and add additional content links

COURSE OVERVIEW

- Elevate access to this page, adding additional Content: e.g. Professional Development, Better Help, Adoption Resources, Service-Specific

WHAT'S NEW

- Remove this page/feature.

UNIT PAGE

UNIT MEDIA

- MTHB: Elevate Math Unit Opener video
- SSTB - Important to maintain display as it provides valuable and instruction

STB: NGSS ADAPTATION

- Some Courses may use the Featured assets, Some may not. want to maintain that flexibility with potentially some label changes

Full Summary:

https://docs.google.com/document/d/1qqdWEHMWkRc2EXqEfpjEy2JLPgltIPS_cOB7SstZsS_s/edit?usp=sharing

Next Steps...

PHASE ONE

- Approve NGSS Course/Unit Designs
- Development

PHASE TWO

- Research
- Initial Designs for all three Products
- Usability Tests of Initial Designs