Examining the Usability of a Data Teams Website

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• Background
• Purpose
• Goal
• Design
• Methodology
• Results
Data Teams...Huh?

Step 6: Monitor and evaluate results

Step 1: Collect and chart data

Step 5: Determine results indicators

Step 2: Analyze data and prioritize needs

Step 4: Select common instructional strategies

Step 3: Set, review, and revise SMART goals
Teaching Today

- NCLB (2001)
- Educator Effectiveness System
- Student Learner Outcomes
- Student Performance Data
Aliamanu Middle School (AMS)

- Public school on the island of Oahu
- Adopted the data team method in August 2013
- Core departments teams
Teams

- Meet weekly
- Develop common assessments (formative and summative)
- Discuss instructional strategies
- Collect and chart student performance data
- Discuss improvements
Usability Study

- **Evaluates** a product by testing it on a user.
- Designed to evaluate the **ease-of-use and navigation**.
- Websites allow users to **access information** in the fastest and **easiest** way possible.
Purpose

Examine the **ease-of-use** and **navigation** of a data team website at AMS.
<table>
<thead>
<tr>
<th><strong>Problem</strong></th>
<th><strong>Solution</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>No common housing</td>
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Importance

- Classroom teacher
- English data team member (2013-2014)
- Social studies data team member (2014-2015)
- Focus task member (2014-2015)
Planning

- Personal experience as a data team member
- Feedback from weekly meetings
- Principal approval
- Wix
Design

• Key to use black on white or a close color combination of text to ensure that users can easily read the text.

• Separate department pages.

• Resource Page—data team process, Common Core Standards, and HCPS III.

• Private website—invitation only
Welcome!
This website allows users to access student performance data, and common formative/summative assessments for each of the four core departments at Aliamanu Middle School.

In addition, this site provides teachers & administrators with resources regarding the Data Teams process, Common Core Standards, and Hawaii Content Performance Standards (HCPS III).
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Resource Page

This video explains the Data Teams process.

Data Teams Process

Click Here

Common Core

Click Here

COMMON CORE
STATE STANDARDS INITIATIVE
PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER

Department of Education HCPS III

Click Here
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Audience

• 10 Participants:
  o AMS data team members
    ▪ Data team leaders (SMEs)
  o Technology coordinator
  o Administrators—principal and vice principal
<table>
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<tr>
<th>Analysis</th>
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<tbody>
<tr>
<td>• Pre-survey</td>
</tr>
<tr>
<td>• Google Hangouts on Air</td>
</tr>
<tr>
<td>• Task completion</td>
</tr>
<tr>
<td>• Post-survey</td>
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</table>
Tasks

1. **Locate and download** an 8th grade English common formative assessment for Quarter 2.

2. **Locate and download** a 7th grade social studies student performance data.

3. Using this website, how would you go about **finding information** regarding the data teams process.

4. **Locate and watch** a video regarding the data teams process.
# Task Completion

<table>
<thead>
<tr>
<th>Expected</th>
<th>Actual (average)</th>
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<tbody>
<tr>
<td>Task 1</td>
<td>24sec.</td>
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<tr>
<td></td>
<td>1min. 4sec.</td>
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<tr>
<td>Task 2</td>
<td>36sec.</td>
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<td></td>
<td>54sec.</td>
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<tr>
<td>Task 3</td>
<td>5sec.</td>
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<tr>
<td></td>
<td>8sec.</td>
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<tr>
<td>Task 4</td>
<td>6sec.</td>
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<td></td>
<td>12sec.</td>
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*All tasks were successfully completed*
Findings

• Trouble downloading items
• Couldn’t access resource video
• Participants didn’t understand usability process

Web Page Blocked

Access to the web page you were trying to visit has been blocked in accordance with DOE policy.

Please contact your system administrator if you believe this message was received in error.
Post-Survey Results

- Easy to Use: 6
- Well Organized: 6
- Useful in Data Teams Process: 5
- Useful Resource Page: 5
- Bridge Communication Gap: 5
- Recommend to Teachers: 5
- Inviting Color Scheme: 4
Feedback

- Well organized
- Layout is easy to use and navigate
- Resource page is very useful
- Accessible
Suggestions

- Color!
- Larger font
- Link to AMS website
- AMS Mission Statement
- Calendar

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- Dark blue font
- From 18 to 22pt
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**Revisions**

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- From 18 to 22pt
- Resource page and AMS banner
- Home page
- *Google Docs and Lotus Notes Calendars*
**Before**

**Aliamanu Middle School**
**Data Teams**

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**After**

**Aliamanu Middle School**
**Data Teams**

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Aliamanu Middle School Website
This website provides basic information on Aliamanu Middle School and its curriculum.

Click Here

(located on the resource page)

Aliamanu Middle School
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(AMS Banner, located on each page)
Obstacles

- DOE blocks YouTube
- Cognitive narratives
Obstacles

- DOE blocks YouTube
- Cognitive narratives

☑ Addressed and corrected
Obstacles

- DOE blocks YouTube
- Cognitive narratives
- Converting materials to electronic documents

✓ Addressed and corrected
Obstacles

- DOE blocks YouTube
- Cognitive narratives
- Converting materials to electronic documents
- Using Wix

✓ Addressed and corrected
## Goal

### Problem

- No common housing
- Packed binders
- Inaccessible
- Communication gap

### Solution

- **✓ One common website**
- Electronic documents
- Easily accessible
- Bridge communication gap
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What Now?

- Great feedback from principal
- Fully implemented next school year
- Working with teams to upload revised assessments and data
Thank you for joining me tonight!
Questions?