

Honors Project (28Feb21)

Last edited by JayJay TestFace
Today at 10:19 PM
Created by JayJay TestFace
Today at 9:42 PM

to 10:30pm

▼ Ideation Report Template

Project Title

Engaging Science Education for Teens

1. Introduction

- A brief introduction to your website idea. State the goals of the project.
- The goal. STEM. story based. audio guided tour (music player)
- material of increasing difficulty and complexity
- not mean to feel like online classroom, more like in-depth articles with an expert guide nearby
- The values / benefits (tangible and intangible) this application can bring to a company/organization/end-user.
- Enrich their learning and prepare them for future workplace

2. Expected List of Features

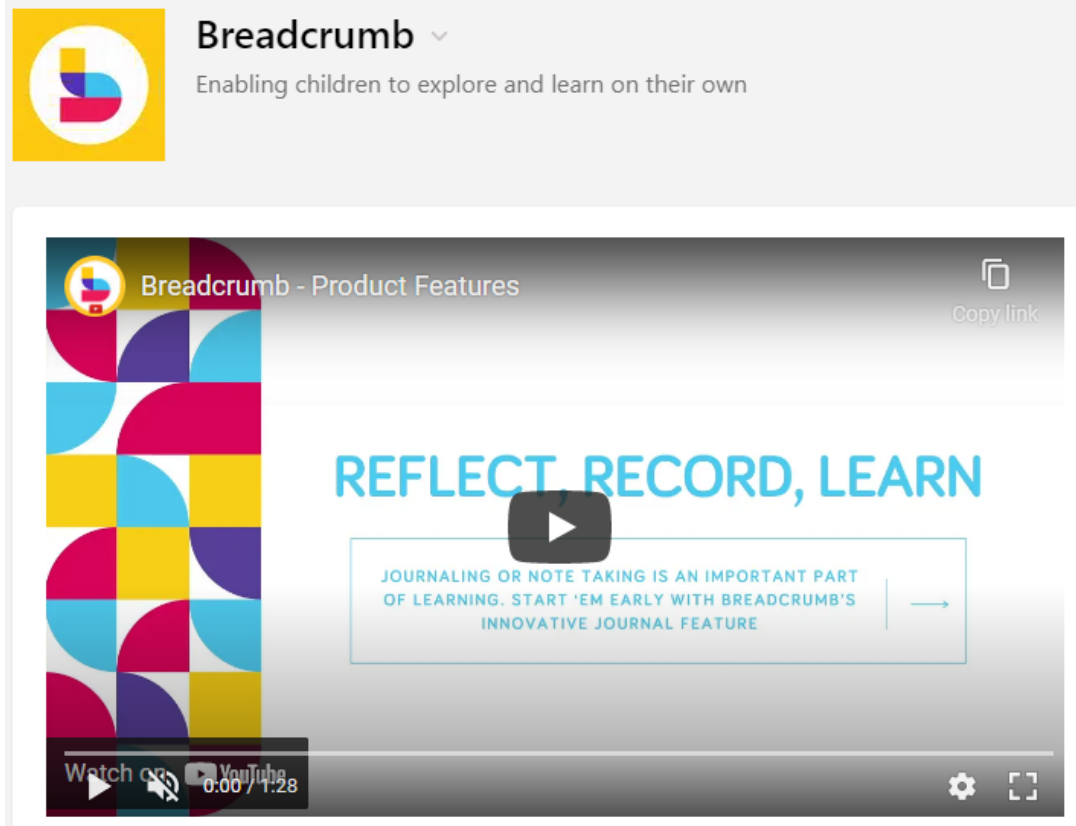
- A brief list of features that you expect your website to support.
1. audio player on page
 2. a progress bar
 3. intuitive and accessible navigation incl. breadcrumbs
 4. mobile first, responsive design

5. implementation of SEE-I learning framework
6. Flashcard app using spaced learning
- Brief justifications for including these features.
1. audio player for guided tour.
2. a progress bar for visually showing progress through the lesson
3. breadcrumbs to show where they are on the webpage
4. mobile-first responsive design as most online traffic today is mobile, especially my target market: teens
5. improve comprehension and give them a deep understanding of the content. Prepare them for further critical thinking journey
6. to test their comprehension

3. Market Survey

- Do a survey of the Web to find about five web sites that might have similar ideas as yours.
1. Brilliant
 2. Khan Academy
 3. Breadcrumb (<https://www.producthunt.com/posts/breadcrumb-2>)





4. <https://artofproblemsolving.com/>

5. coursera

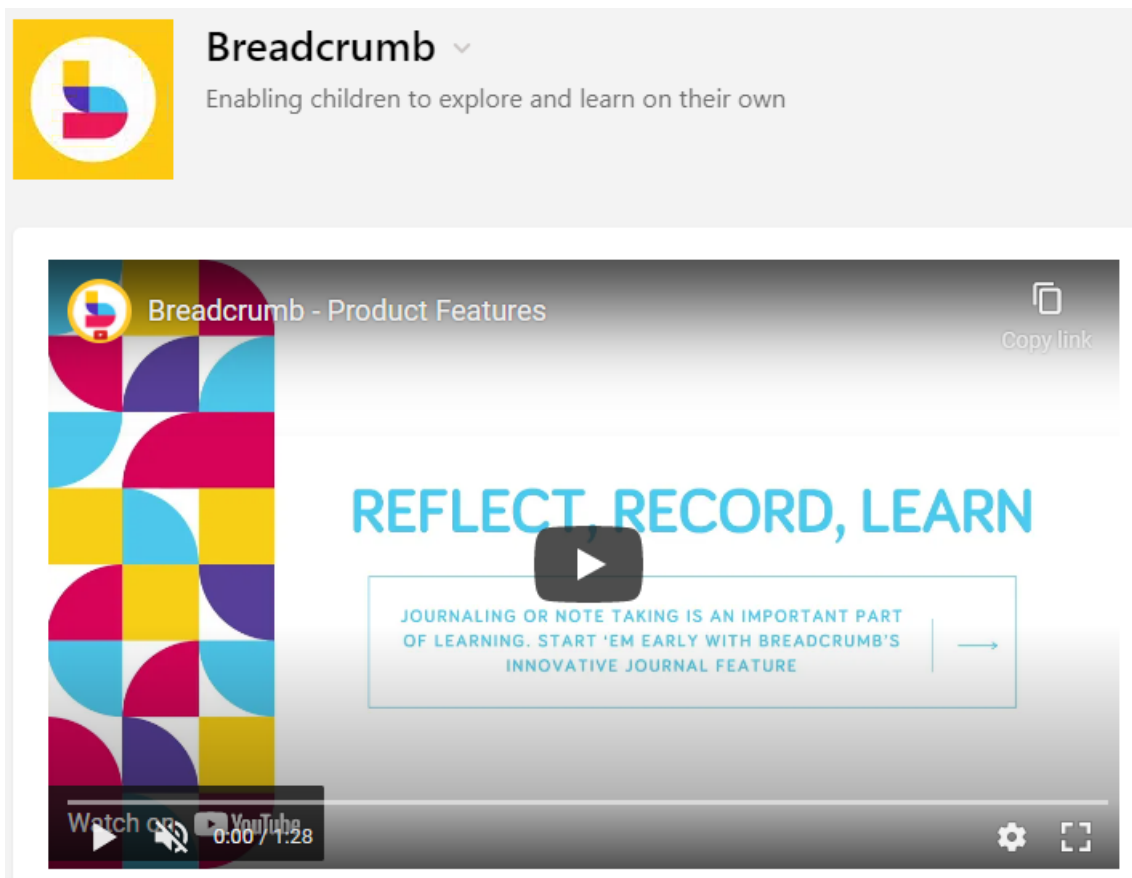
- Briefly compare the features of these applications with your application idea.

1. Brilliant has fantastic visual based learning.
2. guided interactive learning. My website is not mean to feel like online classroom, more like in-depth articles with an expert guide nearby.
3. at their own pace. I love this feature, aim to implement it into my website.
 1. The visual branding of this website/app. colourful and fun but not childish. This is similar to what I envision for my website
4. complexity of the topics covered. This is the aimed level of difficulty for the material.

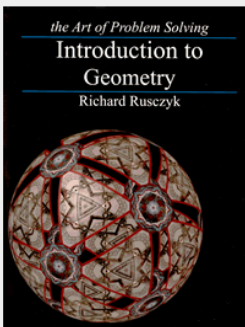
4. References

- Give references to any material / websites / books etc. relevant to your application idea

▼ Breadcrumb (<https://www.producthunt.com/posts/breadcrumb-2>)



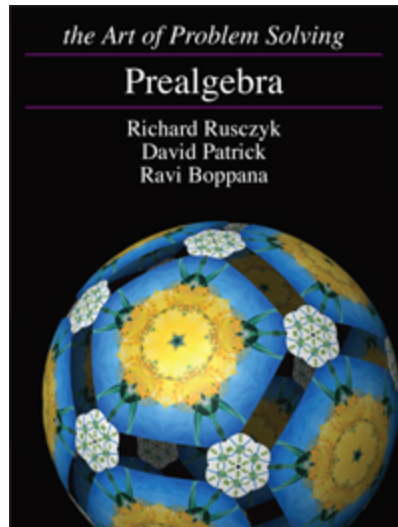
▼ [https://artofproblemsolving.com/school/course/intro-geometry?](https://artofproblemsolving.com/school/course/intro-geometry?gtmlist=Schedule_Sid)
gtmlist=Schedule_Sid



Introduction to Geometry
By Richard Rusczyk

A full course in challenging geometry for students in grades 7-10, including topics such as similar triangles, congruent triangles, quadrilaterals, polygons, circles, funky areas, power of a point, three-dimensional geometry, transformations, introductory trigonometry, and more.

[VIEW DETAILS](#)



<https://artofproblemsolving.com/store/item/prealgebra>

- Give the links to the websites relevant to your idea, that you listed in the section above.

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