**Purpose**

What are the goals and detailed description of why people come to the web site and use it?

My website will be a classroom site for our Geometry unit. It will be used by my 5th grade students and by their parents. Students will use the site to access online activities, check vocabulary, and practice skills. Using this site will help the students meet the objectives of the unit as listed below. Parents will use the site to see what the students are doing in class, to check for content standards, and to review concepts along with the students.

Unit Objectives:

* Students will be able to identify basic geometric figures.
* Students will be able to identify congruent figures.
* Students will be able to identify figures with line and rotational symmetry.
* Students will be able to find perimeter and area.
* Students will be able to find volume and surface area of space figures.

I have websites that allow students to practice these skills. They will practice by using online games and tutorials as they identify figures, find symmetry, and figure perimeter, area, and volume. The online games are not only fun, they also give instant feedback so the students know right away if they are correct.

**Needs assessment**

Provided a summary of information received from target audience to determine need for web site

I asked my 5th grade students if having a website about our geometry unit would be helpful to them, and if they would use the items I planned to put on the website.

My students agreed that having links to geometry activities on a webpage would be helpful to them. They also liked the idea of having vocabulary terms and practice items easily available. They like doing activities on the computer, so they are more apt to practice the skills if it involves computer use.

The parents I talked to said they are always happy to see school related information on the internet. They like having information about what their child is doing in class. They also liked the idea of having access to links that could help with homework and in practicing skills.

**Audience**

Provided a detailed description of the type of user that will access the website

My primary users will be my fifth grade students. They are a mixture of boys and girls, ages 10 and 11. We have a technology rich classroom, and the students are excited about using computers in class. They have basic to intermediate computer skills. They will use the site in class and at home. Parents will also be able to access the site to see what we are doing in class.

**Content**

Provided a detailed description of content and how it meets the goals of the website

My site will have links to geometry sites with online activities. It will have a vocabulary section and a list of the unit objectives. I intend to have all important information from the unit easily available for students and parents. I will have basic geometric shapes labeled on the page. The websites I intend to use are listed at the end of this document. Placing this information online will allow the students to have easy access at home or at school.

**Presentation of information**

Detailed description of how the information will be organized

The vocabulary terms and definitions will be in a list. The linked sites will be grouped by purpose – games, practice, exploration, etc. The objectives will be in a bulleted list. The content information (vocabulary terms, concepts and objectives) will be toward the top of the page, under the title and navigation bar. The links will be along the bottom of the page.

The navigation bar will include a link back to my class homepage.

**Rationale of organization**

Rationale is based on user needs and basic usability characteristics

My 5th grade students are used to using my class webpage to access links for assignments and for games. They will understand how to use the links on the page. I want to include vocabulary because that is an area that some students have struggled with on the state test in the past. They need additional exposure to mathematical vocabulary. I also want to have the objectives readily available, because I think students need to know what they are expected to learn during the unit.

**Media**

Detailed description of media acquisition or development, and rationale for using it

I plan to use a few pictures on my page. I want to use my digital camera to take pictures around our school and town, showing geometry in the world around us.

I found these samples of clip art in the clip art gallery. I thought I might use some of them to add interest and visual impact to the site.

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I also found these images in Google Images. I’m working on getting permission to use these images. If I don’t get permission, I won’t use them.

 

**Color scheme and rationale**

Rational is based on visual design and user characteristics

I want to use a light colored background so it is easy to see. I will use darker text on this light background.

I think I will stick with black text for the most part, because I think it is easier to read. I also used the Microsoft Word colors, and the html colors may not match exactly, but this is the color scheme I have in mind. I know I want to stick with light blue or blue-green, because I think those colors are easy on the eyes, and they are nice, calm colors. I don’t want glaring colors that distract from the topic.

This is my text color.

**Outline of web site organization**

A drawing, graphic, AND text outline reflecting the site’s organization and navigation

This diagram shows how I would like to set up my site. I want the links and the navigation back to my class webpage to be easy to find. Our class page is set up with the navigation bar across the top, so this is a comfortable design for my students.

I want the objectives and vocabulary above the links to games,etc. so that you see those items first.

These are some web sites I am considering using as links.

<http://www.myteacherpages.com/webpages/MrsThonus/math.cfm?subpage=165141>

Bird’s Eye View Geometry

<http://www.planemath.com/activities/birdseye/rescue1.html>

Geometry Games

<http://www.internet4classrooms.com/skills_5th_math.htm#geometry>

Jeopardy Game

[www.elainefitzgerald.com/jeopardy**geometry**.ppt](http://www.elainefitzgerald.com/jeopardygeometry.ppt)

Geometry Flashcards

<http://www.aplusmath.com/cgi-bin/flashcards/geoflash>

Shape Surveyor

<http://www.funbrain.com/poly/index.html>

Banana Hunt

<http://www.oswego.org/ocsd-web/games/bananahunt/bhunt.html>

Hidden Picture

http://www.aplusmath.com/cgi-bin/games/geopicture