

FISH LAKE GAME DESIGN DOCUMENT

This is an example of an early DRAFT of the Fish Lake Game Design Document. The actual draft was 17 pages, this is just part of it.

The YELLOW highlighted as done by the developer showing it was done. The ORANGE comments were made by the Project Manager with comments. The RED comments were made by the head of the software development team.

Fish Lake

Overall game story - The tribe has been fishing at Fish Lake for many years but now the fish is about to run out. Catch as many fish as you can, help your tribe find all the items they need for the journey and pack them into your Red River cart, hunt deer and rabbits on the way, build a wigwam at your new home, hunt and store enough buffalo meat for the winter ahead.

Start menu

Missing welcome.html before start.html unless that is what start menu means

Start page with - start.html

- Log in to game – elder_instruct1.html
- Math Activities - extras/index.html doesn't match wiki
- Grandfather's Picks igrandfathers_picks.html doesn't match wiki
- Videos doesn't match wiki

Introduction

Student information form - Inputforms/inputwho.html

Instructions

Noogishkaa! Stop! You need to know where you are going and how to get there. You need to know how to play this game or you are going to get lost. – elder_instruct2.html

elder_instruct1a.html – video of elder elder_instruct1a.html is not in the wiki

Omishoomisan says ... Use the arrow keys on the keyboard to move. To move, you need to use the arrow keys on your keyboard. To shoot arrows in the game, click on the X key – elder_instruct3.html

Use the space bar to jump. Elder_instruct3a.html

Movie shows going down the path – elder_instruct5.html does not match wiki

Summary of instructions: - elder_instruct5a.html does not match wiki

READ THESE DIRECTIONS CAREFULLY OR YOU MIGHT GET KILLED

Use the arrow keys to move.

Use the space bar to jump.

Use the control key to shoot.

Click on an object to pick it up.

Follow the wooden arrows to go on the right path.

Don't get eaten by a bear.

Reminder of instructions – elder_instruct6.html elder_instruct6.html is not in the wiki

Grandma says, REMEMBER Use the arrow keys to move Use the space bar to jump You can shoot an arrow by pressing the X key To continue in the game, you must pass this first challenge by getting your hunter around the rocks and tree and shooting the buffalo. (This first challenge is the easy one)

Impact.js game - level0/index.html

Buffalo: moving around - show you can move around. Use space bar to jump, arrow keys to move. Control key to shoot.

Rabbit trap: Use arrow keys to move. Chase the rabbits into the snares.

Collect your game: Pick up the rabbits without falling into a hole, the river or getting bitten by a snake. Click to pick up the rabbits

(Would need to follow the wooden arrows to get to person 1 and person 2)

Person #1 Says: A bear sleeps for 100 days.

Person #2 Says: Go into the cave with the correct number.

Four possible caves with different numbers in front. If they go into the wrong cave the video plays , “Sorry, you’re dead. The bear killed you.”

NOTE: For all fractions questions, have set up with two spaces for numbers

<input -- > _____

<input -->

Before the first question, have a video that shows how to answer, typing one number in each spot

Level 1:

VA

does not match wiki

V2 fish_fractionsb.html Why fractions: Fishing. If you know what fraction of the fish are one type, you know if it is worth fishing in one spot or not. Not all types of fish are equally good to eat. If there are the exact number of fish in each spot, you can tell which is better. If this spot has 3 out 5 fish are perch and another spot has 2 out of 5 then the answer is easy. How many times is that going to happen that every fishing spot has exactly 5 fish? It's not. You'll have 10 in one spot and 6 in another. You need to figure out which is best.

***** NEEDS TO BE ADDED IN GAME BY DENNIS.**

Note:The same video is an option after they miss problem 2 but with a different html page and different file on-ended. It's not a mistake. It's deliberate.

2 Perch

5 fish

means $\frac{2}{5}$ of the fish are perch

Players walk down the path and run into grandfather. Video plays,

V3 Grandfather says to the two boys, "So, you're going fishing. Do you think you could catch some pike? I feel like eating pike today.". (Show a picture of pike like a thought balloon.)

does not match wiki

V4 Video clip

Problem 1: Fishing 1: What fraction of fish in the lake are pike?

Inputforms/inputproblem1.html

If incorrect:

Go to learn_more1.html and can pick from one of 3 choices

- A short movie about Anookwesens at the lake. - whatisfraction1.html (which ends and goes to whatisfraction2.html - whatisfraction6.html)
- An explanation of fractions. - skips the movie and goes right to whatisfraction2.html - whatisfraction6.html
- Click here to read about fractions and ribbon shirts. – ribbons.html -> ribbons2.html then to quizzes/quiz1.html

Whatisfraction6.html gives options to

- quizzes/quiz1.html
- snare_fractions.html
- ribbons.html

If correct, a movie plays that tells about storm that knocked trees and rocks across path storm_movie.html

G1 Game – players have to jump over obstacles and avoid snakes

Movie plays about different ways to fish – fish_with_stick.html does not match wiki

**** Need to add another math problem here. Maybe something about the dams and rocks, fraction of fish caught?

G2 Game: Build a dam to catch the fish as they are flowing with the current from the river into the lake. Use the mouse to pick up sticks and drop them in the mouth of the river. When the dam is done and fish get caught against the dam, hit them with the club by clicking on it.

Option - timed or untimed

Movie plays about cooking the fish and tonight you can go spearfishing
end_fishing1.html end_fishing1.html is not in the wiki

G3 Game – players have to jump over obstacles and avoid snakes

V5 Video clip

Grandfather says to the two boys, “So, you’re going fishing again. You should have good luck fishing at night. Try to get me some bass. I haven’t had any bass in a while..”
grandfather_bass.html

Page asking what fraction are bass whatfractionarebass.html

Problem 2 Fishing 2: What fraction of fish in the lake are bass? (Different lake)

Inputforms/inputproblem2.html

If wrong

learn_more2.html

- Watch movie fish_fractions and then go to fish_fractions2 – 3
- Go straight to fish_fractions2.html – fish_fractions3.html

Then to quizzes/quiz2.html

If correct,

G4 Game – players have to jump over obstacles and avoid snakes

Plays movie on spearfishing [ways_to_fish_spear.html](#)

G5 Spear fish

G6 Game: – players have to jump over obstacles and avoid snakes

Inputproblem2a --- about snakes **does not match wiki**

Connect to [begin_level2.html](#) [snake_problem.html](#)

Make movie showing prairie rattlesnake and saying that it is the only venomous snake in North Dakota (is it still in North Dakota or are they eradicated). Also point out the distinction between venomous and poisonous.

As Easter egg one of the times they die add the snake story from Erich (do we have that as a video?)