



Educator(s): Amber Grafft-Weiss and Sarah Miller
Institution: Florida Public Archaeology Network
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Lesson Title:
Kingsley Crispies!

Level:
3rd to 5th grade

Goal:
The students will have an opportunity to learn about the historical building technique of making tabby by constructing crispy bars.

Objectives:

After completion of the activities and site visit, students will be able to:

1. To understand the processes of tabby construction.
2. To explore the different ways the slaves contributed to life on a plantation.
3. To experiment with different construction materials.
4. To build a block of “tabby” [crispy bar].

Standards:

SS.B.1.3.1 How to use various map forms and other geographic representations to acquire, process and report information.

SS. D.2.3.2 The relative prices and how they affect people’s decisions are the means by which a market system provides answers to various economic questions.

Activity Type: To be done as a classroom activity by the teacher.

Materials:

- Crispies recipe
- Sketch of tabby building process
- Tabby slaking video on Timucuan Preserve website
- Crispies ingredients
- Archaeology extension
- Project Archaeology lesson on how humans adapt to basic needs

Kingsley Crispies – Lesson Plan

Introduction/Overview

Begin with Project Archaeology lesson on how humans adapt to meet basic needs. Contact the Florida Public Archaeology Network or Project Archaeology:

- <http://www.fpanortheast.org/>
- <http://www.projectarchaeology.org/>

Content

Tabby

1. Talk to students about the process of making tabby.
 - a. Show exhibit panel with sketch
 - b. Show photographs of the slave quarters
2. The slaves at Kingsley built the slave quarters from materials found on site.
3. Brainstorm with students if they had to construct a building, what in their immediate environs (kitchen, park, beach) could they use to construct a house.

Building Blocks – Materials and Mortar

1. Using an item familiar to all of them, frosted flakes, talk with students about how the flakes are similar to the oyster shell used at Kinglsey, and how they are different.
2. What else is needed to make the flakes stick together?
3. Talk to students about different mortars they may use.
4. Show the tabby slaking video from the Timucuan Preserve website:
http://www.nps.gov/timu/historyculture/kp_tabby.htm

Making Tabby/Constructing a Slave Cabin

1. Either make frosted flake bars if time allows, see the recipe on the next page, or use packaged ones.
2. Talk about long term effect of sun and rain exposure. If we put this bar in the sun or rain, what will happen to it?
3. If time allows, make bars in outline of a slave quarter and also experiment with adding a second layer. What are the challenges to getting the layers to stay in place? What are possible solutions? Would the same challenges exist if making really tabby? (Not only does the tabby mix have to hold together, each layer has to bond with the layer below to create a solid structure.)
4. Use tabby brochure: <http://www.nps.gov/timu/planyourvisit/brochures.htm>

Time permitting...(archaeology extension)

- Archaeologists and architects love to experiment with how things are made- it helps them understand not only the building process, but the builders themselves.
- Discuss other famous experimental archaeology examples: Bill Rathje and garbology, Time Team's recreation of waterhenge. (Do a web search.)

Instructions for Using Recipes

- The activity is designed to draw parallels between making the frosted flakes or rice crispies snack bars and making a tabby wall.
- The process of gather materials in precise ratios (both the snack bars and tabby require a recipe), mixing, evaluating, and building the blocks is similar.
- Identify with the students the ingredients needed for the snack and for tabby. The table below is a place to begin.
- Have the students also fill out the worksheet to follow the building process, this will help them make connections between the process of making the snacks and the process of building a tabby structure.

Please Review

- Recipes (page to follow)
- Worksheet (final page)
- Tabby brochure
- Tabby website and slaking video
- Tabby exhibit panel with building a slave cabin sketch

Frosted Flakes Bars or Rice Crispies Bars Recipes

Frosted Flakes Snack Recipe

Serves/Makes: 12

Ingredients:

4 cups mini marshmallows
1/4 cup margarine
1/3 cup peanut butter
7 1/2 cups Frosted Flakes cereal

Directions:

Use a 4-quart microwave bowl to melt miniature marshmallows. Add margarine. Set microwave on high for 3 minutes; then stir halfway. Stir in peanut butter until mix is smooth. Add frosted flakes. Stir until well-coated. Use a buttered spatula and press mixture into a lightly greased 9x13 pan. Let mixture set for about 5 minutes. Cut into small bars.

Recipe ID: 23852

http://www.cditchen.com/recipes/recs/27/Frosted_Flakes_Snack59070.shtml

Retrieved December 14, 2009

Rice Krispies Treats

Serves/Makes: 12

Ingredients:

3 tablespoons butter or margarine
4 cups miniature marshmallows
6 cups Rice Krispies

Directions:

In large saucepan melt butter over low heat. Add marshmallows and stir until completely melted. Remove from heat. Add Rice Krispies cereal. Stir until well coated. Using buttered spatula or wax paper evenly press mixture into 13 x 9 x 2-inch pan coated with cooking spray. Cool. Cut into 2-inch squares. Best if served the same day.

Microwave Directions:

In microwave-safe bowl heat butter and marshmallows on HIGH for 3 minutes, stirring after 2 minutes. Stir until smooth. Follow steps 2 and 3 above. Microwave cooking times may vary.

Notes

For best results, use fresh marshmallows. 1 jar (7 oz.) marshmallow crème can be substituted for marshmallows. Diet, reduced calorie or tub margarine is not recommended.

Store no more than two days at room temperature in airtight container. To freeze, place in layers separated by wax paper in airtight container. Freeze for up to 6 weeks. Let stand at room temperature for 15 minutes before serving.

<http://www.ricekrispies.com/recipes/the-original-treats.aspx>

Retrieved December 14, 2009

Student Name: _____

Date: _____

Kingsley Krispies! Building a Slave Cabin Worksheet

Instructions:

Fill out the table and chart as you make your Kingsley Krispies. The goal is compare making krispies with the process used to build the Slave Cabins at Kingsley Plantation.

INGREDIENTS	
Kingsley Krispies	Tabby
1. Rice Krispies/Frosted Flakes cereal	1. Oyster shells
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.

What happens to what you are making if you don't follow the recipe?

What could have happened to a tabby slave cabin if the builder did not follow the recipe?
