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## PARENT LETTER FOR MAKE IT AND BAKE IT AROUND THE WORLD

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Dear Parents,

Bonjour! Hola! Ciao! Hallo! In any language HELLO, from the Imagine That! Staff. Welcome to the Around the World Summer Camp. We hope your child is ready for an incredible adventure traveling “Around the World” exploring and discovering the Science, Cooking, and Art from Egypt, France, and Italy. During our adventure, we will also travel back into time to the early Americas, continuing our learning journey by spending time with various Native American groups.

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### OVERVIEW

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On the first day of camp your child will become a member of the O.X.Y.S. (Only EXcellent Youth Scientist) Organization. Students will then learn about our arch enemy, Dr. Lipid and how other O.X.Y.S. from all over the world have spotted Dr. Lipid looking for treasures to steal! As a new member of the O.X.Y.S. your child will travel to various countries and cultures to gather information about where Dr. Lipid might go on his treasure hunt.

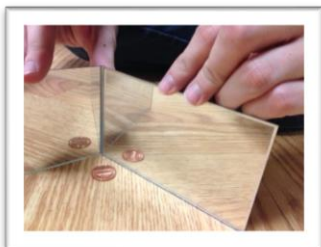
During this amazing adventure, your child will participate in a wide variety of Science activities in each of the “Around the World” destinations:



**In Egypt**, students will become architects, scientists, and engineers learning the culture of the ancient Egyptians, the science behind making mummies, creating hieroglyphics, and solving structural problems to figure out how the pyramid workers create those amazing pyramids!

We will learn Egyptian Hieroglyphics and create and paint a sarcophagus for the mummies we create.

Continuing with the concept of preserving, we will make our Vinegar and learn to keep brown sugar soft. We will also make our own play dough and sun tea.



**In France**, we will focus on the city of Paris, “The City of Lights”. Students will participate in several activities with lights: discovering what light is, exploring how light is reflected, refracted, separates and mixes to make the wonderful colors that we see every day. While in Paris, your child will also travel down the Seine River to explore all those incredible bridges that cross the river. Students will again become engineers designing, constructing, and testing

bridges of their own! During this study we will learn about the principles of flexibility, strength, stiffness and tension and how they apply to bridges. We will also relate our bridge structures to the Eiffel Tower.



Students will study Monet as we create our own beautiful water lily pictures using watercolors and Oil Pastels.

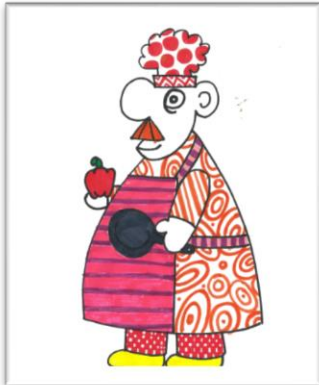
This is a great day for cooking with Baking Soda Fun! We will start with King Kong's Hand where we use the famous baking soda and vinegar reaction to make our gloves expand!



We will then learn the difference in baking soda and yeast as we make cookies. The students will explore the idea of variables and constants as they see what happens when they change key ingredients in the cookies they make.

We will then learn about color mixing as we decorate our cookies with our color wheel icing.

The students will learn about endothermic and exothermic reactions with their fizzy foods and thermometers.



**In Italy**, students will learn the relationship between smell and taste and become testers in a country so well known for producing many wonderful foods! After our taste testing, we will then take a ride on a gondola and explore the principals behind a boat's ability to float. We will explore buoyancy and pressure with popping ping pong balls and boats.

Students will learn to paint like the masters as they create self portraits and draw a funny chef!

For Cooking we will learn about yeast and make our own pizza dough from scratch. Once it is finished rising, they will make their own pizza! Children

will learn about gluten and why they should not eat dough raw. We will explore a fun experience as they make explosive elephant toothpaste. To finish a fun day the children will also make Ice Cream!





In the **Americas**, students discover Running Elks Map which tells a story with pictures and we have to help him! We will explore caves with Native American pictographs and create our own Native American name. Students will discover how the Native Americans communicated with each other through sign language, drawings, and dance. Students will learn how to trade with one another to gather materials to create tepees, pottery, beads, rainsticks, sand paintings and headbands similar to how the Native American people once did.



Can we use the sun's energy to cook? They will find out as we make sun tea and our own solar oven. They will make yummy s'mores in their oven.

In addition, they will make a solar still to understand how solar energy works to make clean water!

After each day, feel free to continue your child's "Around the World" adventure by asking your child to give you clues where they were in the world that day by describing the activities they completed. At home, look at a map or a globe and locate the countries your child "traveled" to or go to a kid friendly website or local library to learn more about these new locations.

We hope your child has an AMAZING and ADVENTUROUS time traveling Around the World this week!

Sincerely,

Your Imagine That! Instructor