

just for fun



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Another Series of Challenger Learning EdVentures™ from



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overview

A MAP CAN BE MORE THAN JUST NUMBERS AND LINES, AND A PIZZA CAN BE MORE THAN JUST TOPPING AND CRUST. DON'T FORGET DESSERT! A COOKIE IN THE SHAPE OF A COUNTRY IS DELICIOUS! YOU CAN DO THIS IN GROUPS OR MAKE INDIVIDUAL PIZZAS AND COOKIES USING THEIR COUNTRY FROM THE "ON THE BORDER" ACTIVITY.

materials

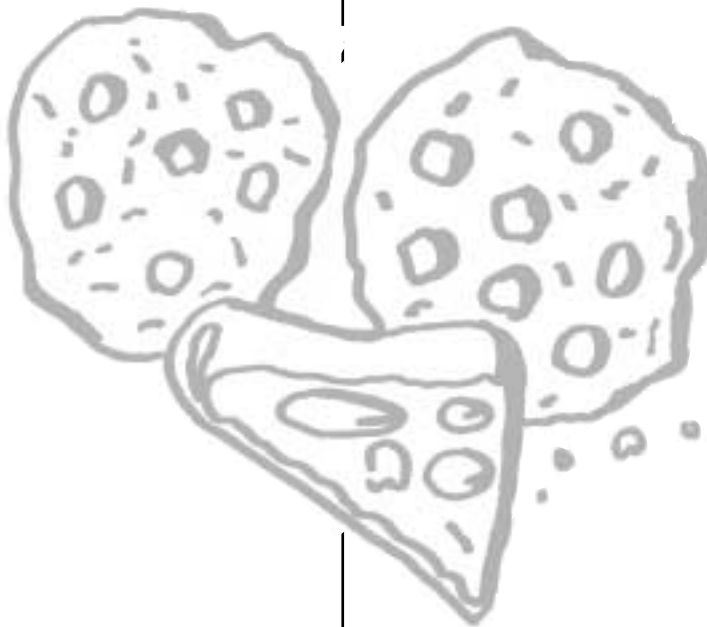
- *TWO CANS OF PIZZA DOUGH (REFRIGERATOR SECTION OF GROCERY STORE)*
- *ROLLER OR TALL GLASS*
- *SPAGHETTI SAUCE*
- *CHEESE*
- *PEPPERONI*
- *BELL PEPPERS*
- *OIL*
- *SUGAR COOKIE DOUGH (REFRIGERATOR SECTION OF GROCERY STORE)*
- *VARIOUS SPRINKLES*
- *CHOCOLATE CHIPS*
- *SANITARY GLOVES*
- *ATLAS*

procedures

1. GAIN SPECIAL PERMISSION TO UTILIZE THE OVEN IN YOUR SCHOOL CAFETERIA. MANY CAFETERIAS WILL BAKE SOMETHING FOR YOU IF YOU GIVE THEM THE TEMPERATURE AND THE BAKING TIME.
2. DIVIDE THE STUDENTS INTO FOUR GROUPS. TWO GROUPS WILL CREATE MAP PIZZAS AND TWO GROUPS WILL CREATE MAP COOKIES.
3. LOOKING THROUGH AN ATLAS, HAVE THEM DECIDE WHAT TYPE OF MAP THEY ARE GOING TO MAKE (I.E., WEATHER, POPULATION, MAJOR RIVERS, ETC.).
4. ALL STUDENTS MUST WEAR SANITARY GLOVES! YOU CAN OBTAIN THEM FROM THE CAFETERIA OR A GROCERY STORE.
5. COAT A COOKIE SHEET WITH OIL. SPREAD THE PIZZA DOUGH ONTO THE COOKIE SHEET AND FLATTEN WITH A FLOURED ROLLING PIN OR GLASS.

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6. USE THE ATLAS TO HELP YOU FORM THE DOUGH INTO A MAP OF THE U.S.A. OR ANOTHER COUNTRY. MAKE A RIDGE OF DOUGH ALONG THE EDGE TO KEEP SAUCE AND TOPPINGS FROM DRIPPING. SPREAD TOMATO SAUCE OVER THE DOUGH.
7. ADD TOPPINGS TO MARK FEATURES: MOUNTAIN RANGES AND RIVERS, YOUR STATE, STATE CAPITAL, TOWNS, VACATION SPOTS, HISTORIC LANDMARKS, MAJOR INDUSTRIES, CROPS OR OTHER IMPORTANT OR SPECIAL LOCATIONS.
8. BAKE THE PIZZA MAP FOR 20-30 MINUTES. THE BAKING TIME WILL DEPEND UPON YOUR OVEN AND THE THICKNESS OF YOUR CRUST. IT IS DONE WHEN THE CHEESE MELTS AND THE CRUST IS BROWN.
9. ROLL THE COOKIE DOUGH ON A COOKIE SHEET.
10. USE THE ATLAS TO HELP YOU FORM THE DOUGH INTO A MAP OF THE U.S.A. OR ANOTHER COUNTRY.
11. YOU CAN VARY THE DOUGH TO SHOW ELEVATION AND DEPRESSIONS (RELIEF MAP) IN THE EARTH.
12. ADD TOPPINGS TO MARK FEATURES: MOUNTAIN RANGES AND RIVERS, YOUR STATE, STATE CAPITAL, TOWNS, VACATION SPOTS, HISTORIC LANDMARKS, MAJOR INDUSTRIES, CROPS OR OTHER IMPORTANT OR SPECIAL LOCATIONS.



Challenger Center Programs



The internationally acclaimed **Challenger Learning Center** Network currently consists of state-of-the-art, innovative educational simulators located at 49 sites across 29 states, Canada, and the United Kingdom. Staffed by master teachers, the core of each Center is a two-room simulator consisting of a space station, complete with communications, medical, life, and computer science equipment, and a mission control room patterned after NASA's Johnson Space Center. See www.challenger.org for information.

A joint initiative of Challenger Center for Space Science Education, the Smithsonian Institution, and NASA, *Voyage — A Journey through our Solar System* is a space science exhibition project that includes permanent placement of a scale model solar system on the National Mall in Washington, DC, and at locations all over the world. See www.voyageonline.org for information.



Space DaySM launches new *Design Challenges* created by Challenger Center each school year. The inquiry-based challenges are designed to inspire students in grades 4-8 to create innovative solutions that could aid future exploration of our solar system. See www.spaceday.org for information.

Challenger Center's *Journey through the Universe* program provides under-served communities with diverse national resources, including K-12 curriculum materials, teacher workshops, classroom visits by scientists from all over the country, and Family Science Nights. See www.challenger.org/journey for information.



The **MESSENGER** spacecraft (MErcury Surface, Space ENvironment, GEOchemistry and Ranging) is to be launched in 2004 and go into Mercurian orbit in 2009. Challenger Center is one of the partner organizations charged with MESSENGER education and public outreach activities. See www.messenger.jhuapl.edu for information.

Through the Challenger Center **Speakers Bureau, Voyages Across the Universe**, staff members speak to student audiences of 30-1,000, conduct workshops for 100-300 educators, give keynote and featured presentations at conferences, as well as conduct Family Science Nights at the National Air and Space Museum, and other facilities across the nation, for audiences of 300-1,000 parents, students, and teachers. See www.challenger.org/speakers for information.

For information about other Challenger Center programs, or to purchase our classroom resources, visit www.challenger.org/store.