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~If you ever notice a typo, please let me know, a few slip by me now and then and I certainly want to fix them!

Blessings,

Annette

www.inallyoudo.net

SAINT VALENTINE'S DAY

UNIT STUDY

While this unit study is intended for 1st - 5th grades, some of the exercises could be tailored for younger children. I have also added some ideas to use with older children on some of the subjects.

This unit encompasses a variety of daily subjects, including Math, Science, Language Arts, Social Studies/Geography, Visual Arts and a Field Trip suggestion. In addition to these printables, you will need a dictionary, world atlas, encyclopedia, construction paper, scissors, glue, crayons or colored pencils, glitter, tissue paper, craft paint or tempera paint, hot glue gun, extra hot glue.

Language Arts

1. Have student(s) read the History of Saint Valentine and the History of Valentine's Day Symbols (Handout A1 & A2).
 2. After reading, have the student(s) define the vocabulary words and answer the questions on the worksheet A.
 3. Complete the Crossword Puzzle by finding all the words in the word bank. (Worksheet B)
- Additional Activity:* Use the vocabulary list and the following words as a special Spelling unit. These are just suggestions, feel free to use words to fit your students' needs.

Spelling Words:

Valentine's Day	Hugs	Hearts	Eternity	Myth
Saint Valentine	Candy	Love	Kisses	Arrow
Cupid	Cards	Romance	Chocolate	Sweethearts

Social Studies/Geography

1. On the World Map (Worksheet C), label the countries that celebrate Valentine's Day.
- Older Students:* Draw a world map and label the countries that celebrate Valentine's Day.

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Math

Use one of the coloring pages for a fun math exercise.

- * ABC's and/or 123 connect-the-dots is for Preschoolers - 1st grade
- * Color by number is based on my son's 2nd grade math book, but could be used for 3rd graders as well.
- * Use the blank sheets to make your own "color by" sheet or leave blank for those younger ones who just like to "color".

Older Students: Download, print and complete the Word Problems from <http://www.teachervision.fen.com/arithmetic/printable/37276.html> (copy & paste into browser)

Science

Melted Chocolate Candies

1. Buy some chocolate candies (kisses, baking chips or almond bark) and melt the chocolate by using a double boiler and pour into candy molds or greased cookie cutters to make Valentine candies.
2. During the "cooking" talk about how some solids can be heated to a certain temperature and become liquids, but when left sitting, will once again become a solid.
3. Talk about how the double boiler works. See Handout B.

Older Students: Build your own double boiler out of items around your house. Test it out (with adult supervision). Does it work? Why or why not?

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Visual Arts

Pick one, two or all them to do throughout the unit study.

For Preschoolers:

- 1) Make handprint "heart" valentine cards for Mom & Dad and grandparents.
- 2) Decorate heart-shaped cookies
- 3) Painted hearts with toilet paper rolls

K - 5th grades:

- 1) Decorate heart-shaped cookies
- 2) Make DIY scratch-off Valentine's Day cards
- 3) DIY Heart Chain

Drama/Acting:

Create a "singing telegram" and perform it for Mom and Dad (or class). In a large group, divide kids up into small groups for this activity.

Extra Reading

- McBratney, Sam. *Guess How Much I Love You*. Candlewick, 2008.
- Numeroff, Laura. *Happy Valentine's Day, Mouse!* Scholastic, 2011.
- Kroll, Steven. *The Biggest Valentine Ever*. Cartwheel, 2006.
- Bond, Felicia. *The Day It Rained Hearts*. HarperCollins, 2006.
- Rey, Hans Augusto. *Happy Valentine's Day, Curious George!* Houghton, 2011.
- Kleinberg, Naomi. *My Fuzzy Valentine*. Random House, 2005.
- Prebenna, David. *Elmo's Valentine*. Random, 1997.
- McMahon, Kara. *Elmo's World: Love!* Random, 2004.

The History of Saint Valentine

Is Saint Valentine a legend or a true historical figure? That is a question people have asked for hundreds of years. The Catholic Church acknowledges at least three different saints named Valentine or Valentinus - each one martyred. One legend says that Valentine was a priest who continued to perform marriages in secret after the Emperor Claudius II decided that single men made better soldiers than married men with families and therefore outlawed marriage for young men.

Other legends suggest that Valentine may have been killed for his attempts to help Christians escape harsh Roman prisons, where they were often beaten and tortured. And yet another legend claims that an imprisoned Valentine sent the first "valentine" greeting himself when he fell in love with a young girl (possibly the jailor's daughter) who visited him regularly during his confinement. Before he was put to death, it is believed that he wrote a love letter to her, signing it "From your Valentine," which is an expression still used today. Although these legends cannot be validated, the stories emphasize him as a sympathetic, heroic and most importantly, a romantic figure. By the Middle Ages, likely thanks to this reputation, Valentine would become one of the most popular saints in England and France.

Valentine's death was in the middle of February around A.D. 270, which is why some believe we now celebrate on February 14th. However, others believe the Christian church may have decided to put St. Valentine's feast day in the middle of February in an effort to "Christianize" the pagan celebration of Lupercalia. Lupercalia was a fertility festival dedicated to Faunus (the Roman god of agriculture) and the Roman founders Romulus and Remus, which is celebrated at the ides of February - or February 15th.

At the end of the 5th century, Pope Gelasius declared February 14th St. Valentine's Day, which ended the pagan celebration of Lupercalia. However, it wasn't until much later that the day was definitively associated with love. In France and England, during the Middle Ages, it was commonly believed that February 14th was the beginning of birds' mating season, which only added to the idea that the day should be a day for romance. Even though written Valentine's didn't begin until after the 1400's, they were popular as far back as the Middle Ages. The oldest known valentine still in existence today was a poem written in 1415 by Charles, Duke of Orleans, to his wife while he was imprisoned in the Tower of London following his capture at the Battle of Agincourt. (The greeting is now part of the manuscript collection of the British Library in London, England.)"

Valentine's Day is celebrated not only in the United States, but also in Canada, Mexico, the United Kingdom, France and Australia. It became common in Great Britain to exchange small tokens of affection and handwritten notes by the middle of the 18th century. In the early 1700's, Americans began exchanging hand-made valentines. Esther A. Howland, "Mother of Valentine," began selling the first mass-produced valentines in America in the 1840's.

The History of Valentine Symbols

Every year we see hearts, hearts with arrows through them and cupid flying around as symbols for Valentine's Day. Have you ever wondered who or what started this trend? And why? Cupid dates back to the ancient Greeks and Romans. To the Greeks he was known as Eros, the son of Aphrodite, the goddess of love and beauty. But the Romans knew him as Cupid, the mischievous son of Venus, the goddess of love.

The story of Cupid and his mortal bride, Psyche, is an interesting one in Roman Mythology. It is said that Venus was jealous of Psyche's beauty and ordered Cupid to punish her instead. Instead, Cupid fell deeply in love with Psyche and took her as his wife. But, since she was a mortal she was forbidden to look at him. Soon her sisters persuaded her to look at him so Cupid punished her by leaving her. Immediately the castle and gardens all vanished. Psyche found herself alone in a wide open field with no signs of anyone or Cupid. She came upon the temple of Venus, as she wandered. Venus wished to destroy her, so she gave Psyche a series of tasks to complete, each one harder and more dangerous than before. Psyche's last task was to take a tiny box, given to her by Venus, to the underworld and put some of Proserpine's beauty (wife of Pluto) in the box. Throughout the trip she was given tips on avoiding the dangers of the underworld and warned not to open the box. But her temptation was too much and she opened the box. However, instead of finding beauty, she found deadly slumber. Cupid later found her lifeless on the ground, gathered her deadly sleep and put it in the box. He forgave her as did Venus. The gods, moved by Psyche's intense love for Cupid, made her a god. Ever since, Cupid has been a symbol of deep, eternal love.

Related to Cupid are the symbols of hearts and arrows. The arrows signify the desires and emotions of love. The most common symbol is two hearts pierced with one arrow, representing Cupid and Psyche pierced with true, lasting, eternal love. It is also a symbol of vulnerability. There is always a risk involved when sending someone a valentine or expressing your deep love to them for the first time.

The cards and decorations for Valentine's Day are red, white and pink, as are clothes, stuffed animals, candles and anything else related to Valentine's Day. Do you know why? For many years, colors have represented feelings and emotions. RED symbolizes warmth and feeling. It is also associated with the human heart. WHITE is a symbol of purity and in some cases Faith. So white represents the faith of the love two people have for each other. PINK is a blend of red and white, which makes it a symbol for innocence or virginity.

What other symbols of love do you see around Valentine's Day?

Valentine's Day Unit Study

Define the following vocabulary words.

Cupid: _____

Valentine's Day: _____

Saint Valentine: _____

True or False:

- _____ 1. There is only 1 Saint Valentine.
- _____ 2. St. Valentine's legend emphasizes him as a romantic.
- _____ 3. Some believe St. Valentine's Day is in the middle of February to "Christianize" the pagan celebration of Lupercalia.
- _____ 4. Pope John Paul declared February 14th St. Valentine's Day in the 7th century.
- _____ 5. Written Valentine's were popular as far back as the Middle Ages.
- _____ 6. Valentine's Day is celebrated in every country, worldwide.
- _____ 7. In the early 1700's, Americans began exchanging hand-made valentines.

Write down as many words as you can from Valentine's Day.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

The Science of the Double Boiler

What is a double boiler?

A double boiler is a special kind of kitchen apparatus that is designed for boiling or simmering. The double boiler consists of two saucepans that fit one on top of the other. The slightly bigger saucepan is partially filled with water and allowed to boil or simmer. The inner saucepan is then firmly placed on top of the bigger saucepan and the indirect heat that comes from the steam and the hot water is used for cooking and preparing food stuff. For example, a double boiler is used to melt chocolate, cook custards and delicate sauces. Direct heat is too strong to use in making delicate food preparations such as melting chocolates and custards and for household items such as waxes and soaps. A double boiler is also used in crafts projects like melting wax for use in candlemaking.

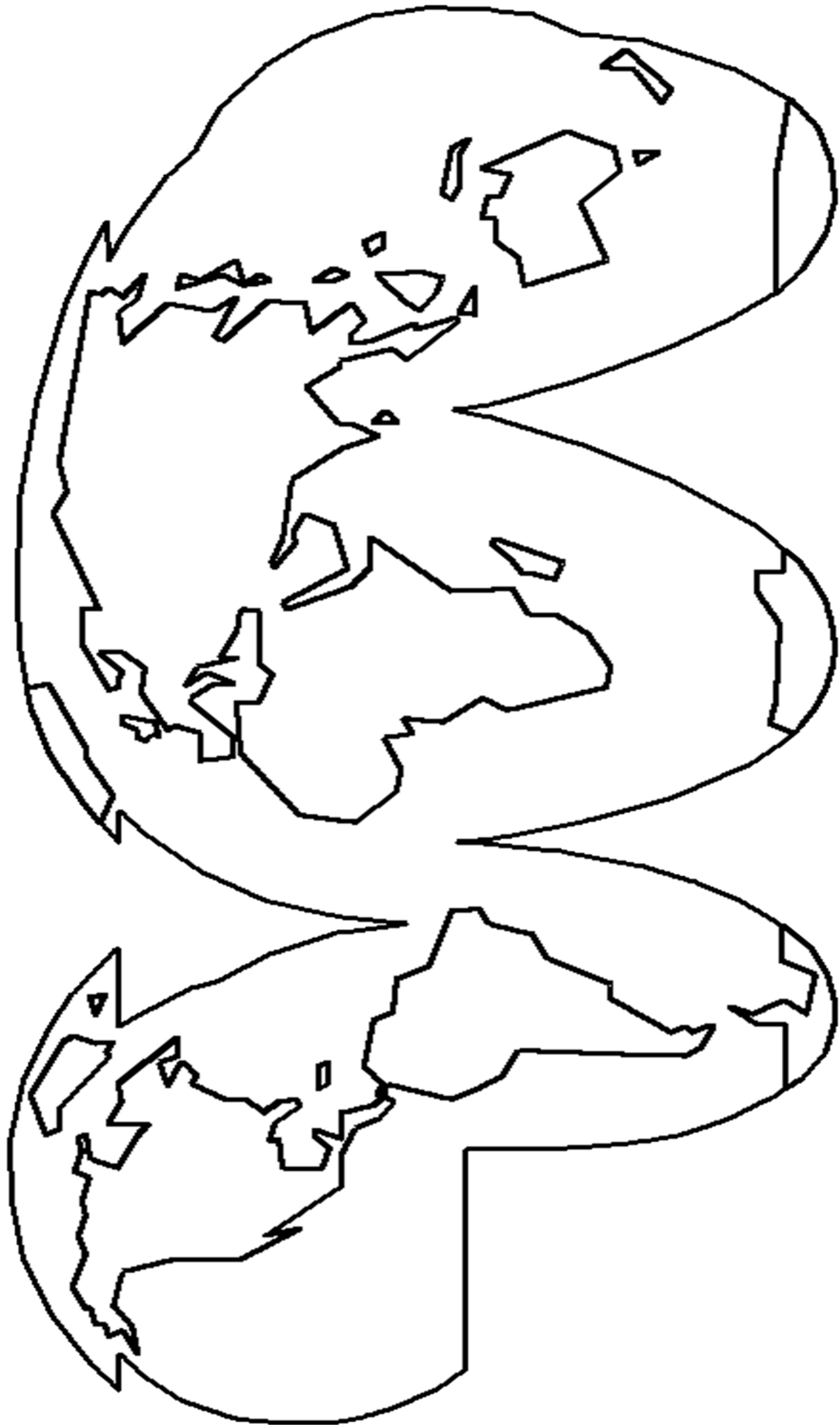
The Science of the double boiler.

A double boiler is different from conventional cooking because there is no direct heat involved. A double boiler's indirect heat will allow food to heat up slowly and evenly, which eliminates the possibility of scorching or over cooking food. Chocolate is always melted on double boiler because using direct heat will ruin the consistency of the chocolate and even burn it. Remember when a recipe says to use a double boiler there is no other method that can be used as a substitute.

Water boils at 210 degrees and then turns into steam. A double boiler relies on that steam to heat the second pan. There is no need for special pans to make a double boiler though. You simply need two heat resistant containers, typically a pan is used to hold the water, but the second can be anything from a heat-resistant bowl to a pan. Just so long as the second dish is smaller than the first and fits snugly inside so no steam escapes.

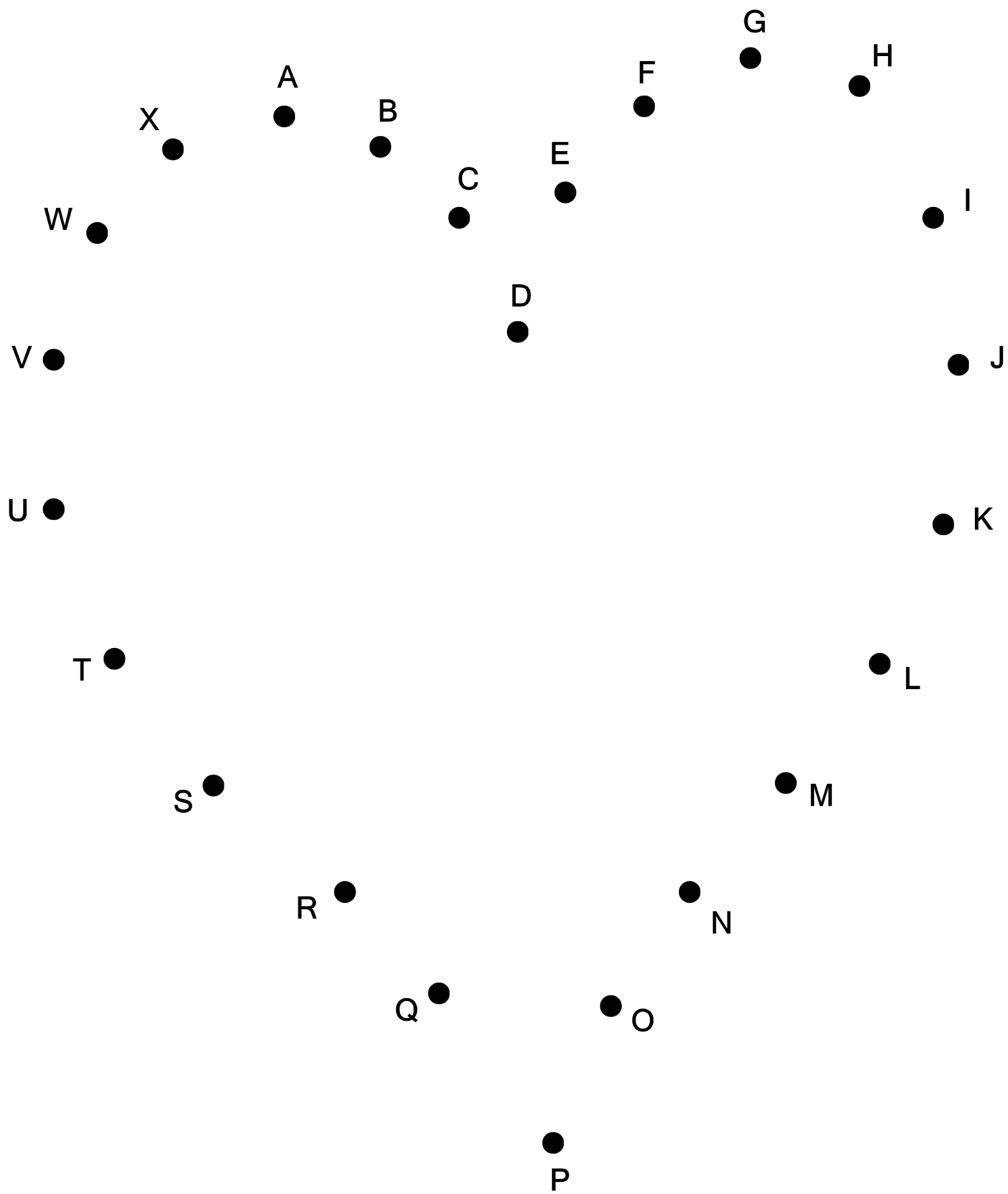
Information taken from <http://brainz.org/what-double-boiler/>

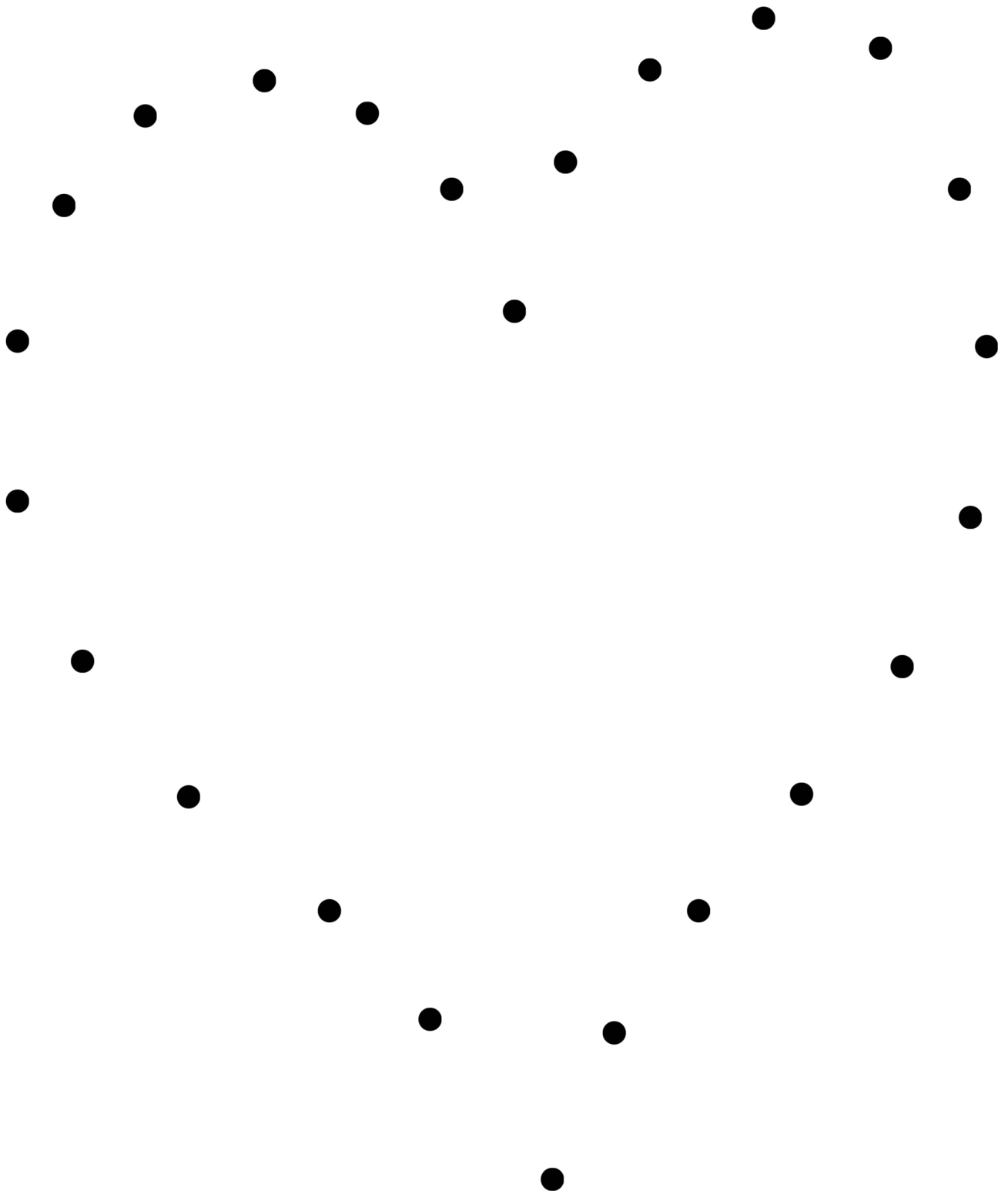
Map of the World Today

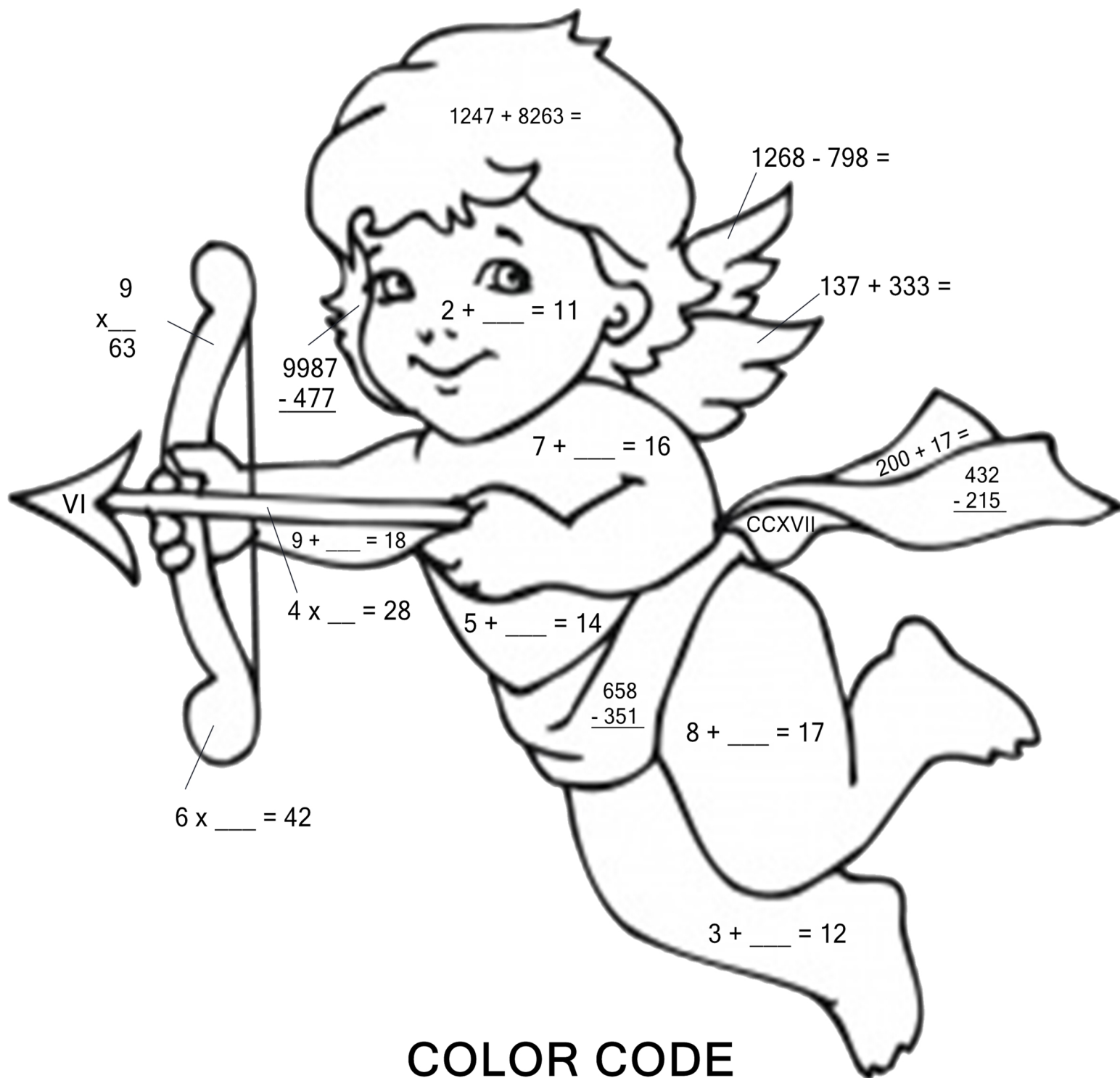












RED = 217

PEACH = 9

WHITE = 470

PINK = 6

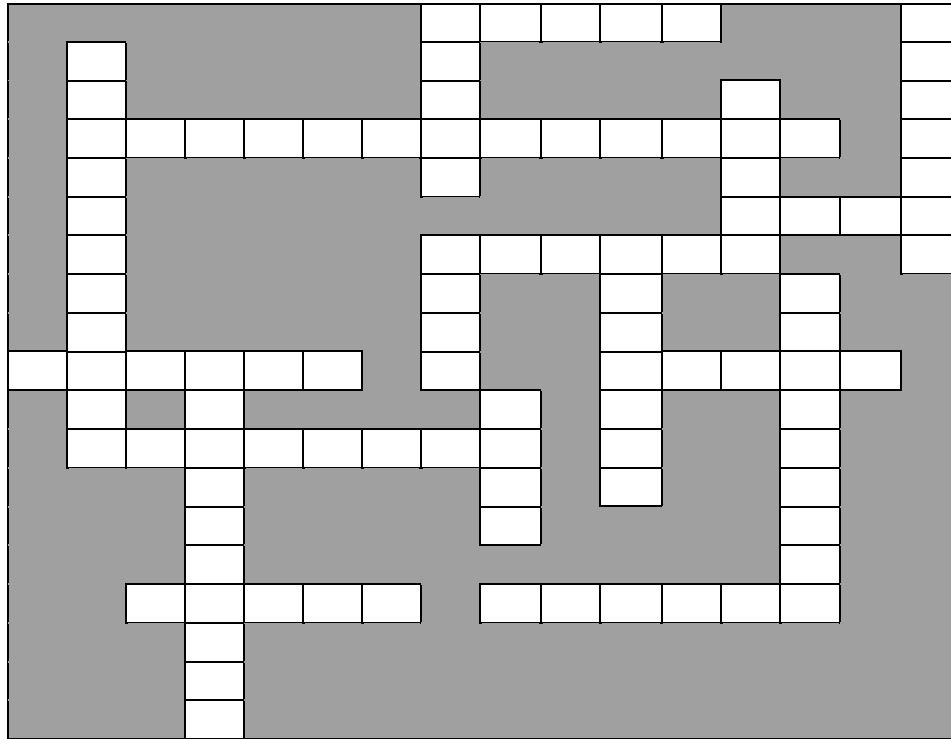
BLACK = 9510

BROWN = 7

*Color the rest of the hand PEACH and the eyes BLUE



Valentine's Day Crossword



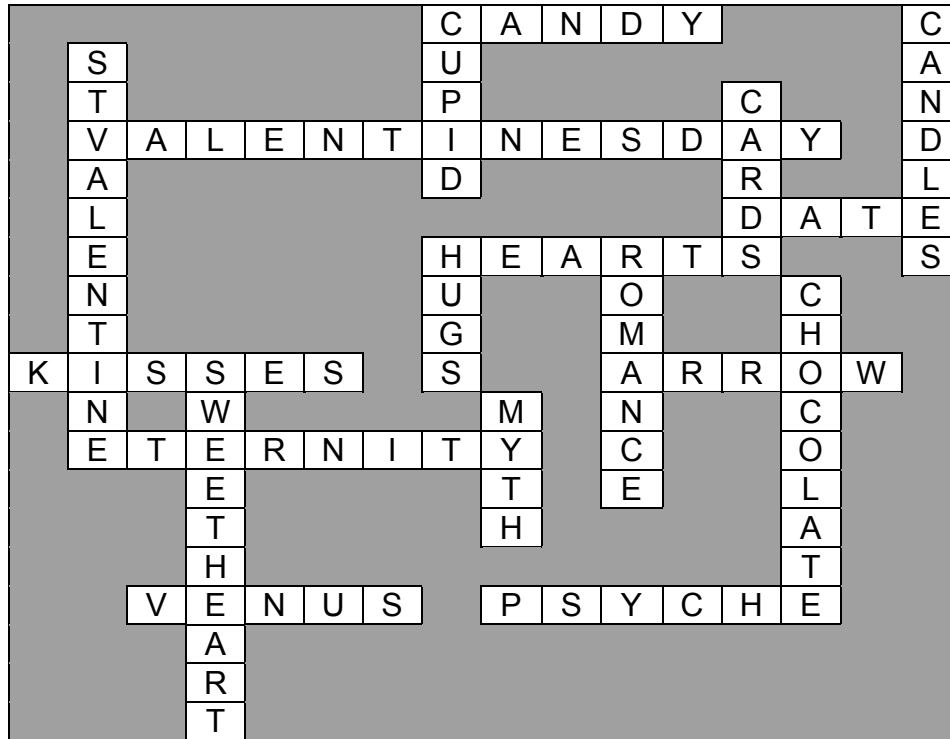
WORD BANK

Candles
Eternity
Candy
Date
Valentines Day
Arrow

Myth
Sweethearts
St Valentine
Kisses
Hugs
Psyche

Chocolate
Cards
Cupid
Romance
Hearts
Venus

Valentine's Day Crossword Answers



Word Bank

Candles	Myth	Chocolate
Eternity	Sweethearts	Cards
Candy	St Valentine	Cupid
Date	Kisses	Romance
Valentines Day	Hugs	Hearts
Arrow	Psyche	Venus