USDA Honors
Dr. George Washington Carver

“It is simply service that measures success.”

George Washington Carver

1864-1943
Doctor Carver was not just a scientist and a teacher. He was very religious, artistic, musical, and talented.
Dr. Carver started an outreach program to help farmers learn a new way to plant the crops and to use better farming tools. Dr. Carver taught farmers to rotate crops such as peanuts, sweet potatoes, and soybeans.
Dr. Carver always enjoyed flowers. Dr. Carver wore a flower on the lapel of his jacket every day.

Color this picture.
George Washington Carver loved flowers. He developed new types of Amaryllis.
Elephants love peanuts. George Washington Carver developed over 300 products from peanuts.
These are some products George Washington Carver developed.

Color this picture.
Find the 12 hidden peanuts in the picture.

Color this picture.
The Peanut Plant: Picture Perfect!
Label the parts of the peanut plant.

Leaf  Flower  Root  Peg  Stem  Peanut

Color this picture.
The kernel of the peanut is inside the **Pod**. The lobes of the kernels inside the pod are called **Cotyledons**. The thin skin covering the lobes is called the **Testa**. Between the two lobes is a plantlet called the **Germ**.

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Color this picture.
Listening for Rhyming Words

Circle the rhyming words in the poem.

I never thought I’d see the mouse
who kept eating all of the peanut butter
in our house!

Draw a picture in the box to illustrate the poem.

Language Arts Activity Sheet
Connect the dots from A to Z.

Color this picture.
Where in the U.S. do Peanuts Grow!

Peanuts grow mainly in nine states. They include: Alabama, Florida, Georgia, New Mexico, North Carolina, Oklahoma, South Carolina, Texas and Virginia.

Color the states that grow peanuts and color the state that you live in.

Social Studies & Geography Activity Sheet
Where in the World do Peanuts Grow!
Besides the United States, peanuts grow in these countries: China, India and Senegal.

Help the Bear get home to China.

Help the Mouse get home to India.

Help the Dog get home to Senegal.

Help the Cat get home to the United States.
Peanut Butter is Good for You!

Rudy the rabbit and his teacher are going to make peanut butter.

What will they need?
- Measuring cup
- Measuring spoon
- Spoon
- Blender
- 1 cup salted, roasted peanuts
- 1 1/2 teaspoons peanut oil

How will they make it?
- Measure 1 cup peanuts and put in blender.
- Measure 1 1/2 teaspoons peanut oil and put in blender.
- Put top on blender.
- Push button and blend for about 3 minutes.
- Turn blender off.
- Take top off blender.
- Scrape sides of blender with spoon and push peanuts to bottom.
- Put top on blender.
- Push button and blend for about 3 more minutes.
- Take top off blender.
- Scoop out peanut butter.
I Can Make a Healthy Meal!
Name the foods below.

Color the different foods.
George Washington Carver developed over 100 uses for sweet potatoes.
Write the sum or difference of each of the equations below and cross off each answer in the peanut butter sandwich. The number that remains is the answer to the riddle.

**Riddle**

By the time the average student graduates from high school, he or she will have eaten how many peanut butter and jelly sandwiches?

**Answer:**
Pyramid Word Puzzle

See if you can find the "nutritious" words listed below in the pyramid word puzzle. Remember, the words may be backwards or forwards, horizontal or vertical, or diagonal.

Word List

Protein           Meat
Serving           Peanut Butter
Vegetable        Fiber
Fruit            Vitamins
Bread           Minerals
Milk            Fat

Name ____________________

S V
E F I
L K R T Y T
B G D V A O F A
A T D E I E H A Y M
T I D A S N M Z T E U I
E U I A E C G P R O T E I N
G R G B X R S L A R E N I M B S
E F R W E Q B K I X F R C E L G M S
V O F A T R B K L T F I B E R B H C L I
D U P E A N U T B U T T E R F V M I L K
Peanut Farming

Name ____________________________

Read the story below then label each picture with the bold words.

Peanut farmers begin to prepare their fields for planting in March. First, they fertilize the fields to help the peanuts grow. Then they plow the fields to prepare the soil for planting. Peanut seeds are planted in early May. The peanut itself is actually the seed.

Peanut farmers cultivate the fields throughout the growing season to get rid of weeds and other plants that have grown in the peanut fields. Farmers must also spray the fields to eliminate bugs and diseases and irrigate, or water, the peanut crops. Irrigation is especially important during times of drought.

Harvesting begins in September. The peanut plants are pulled from the ground and the peanuts are turned up to dry in the sun for several days. A combine separates the peanuts from the vines and dumps the peanuts into drying trailers. Finally, the farmer hauls the peanuts to a buying station or shelling plant to sell them.

None of the peanut plant is wasted. The vines are baled for hay to feed farm animals or are plowed into the fields to fertilize for the next crop. Even the peanut shell can be used for things like fireplace logs.
George Washington Carver Crossword Puzzle

ACROSS:
1. George Washington Carver helped plants _____________.
4. Missouri pioneers enjoyed eating corn on the __________.
6. To help your neighbor is a ___________ thing to do.
9. Many people said _____ to George Washington Carver, but he did not let this stop him.
11. George Washington Carver had to ___________ hard to achieve success.
12. If something is clean and unpolluted, it is ___________.
13. George Washington Carver is most famous for his work with ____________.
14. Before Carver decided to study plant science, he wanted to be an ____________. 
15. George's white foster father was named ___________ Carver.
17. The opposite of out.
18. Carver was famous for being a great ________ of uses for peanuts, soybeans and sweet potatoes.
20. Name a plant Carver discovered more than 100 uses for.
22. When George was about 12 years old, he had to ___________ 8 miles to school in Neosho, Missouri.
24. George Washington Carver also invented ways to use the _____________ _____________.
28. A word for yourself.
29. When he was a little boy, Carver was so good with plants his neighbors called him the ___________ _____________.
32. Sounds like two, but means "also".
33. Dr. Carver believed that ________ person can achieve success.
34. In order to get an education, Carver had to ___________ through Missouri, Kansas, and Iowa.
37. When he was an old man, Carver liked to make ___________ from various weeds, to drink for his health.
38. An old-fashioned word meaning "to make a mistake".

DOWN:
1. The name of a great scientist, teacher, artist and inventor.
2. When he was a boy, Carver often asked this question.
3. Something used to hang a door.
5. ___________ ___. Washington hired Carver to work at Tuskegee.
6. George Washington Carver loved to learn about ____________.
7. The opposite of stop.
8. When Carver was born, people had passed _________ that declared slavery was legal.
10. ___________ Carver was George's white foster mother, and the wife of 15 across.
15. ___________ Carver was the name of George's mother, who was kidnapped by slave raiders.
16. Carver was very frugal, he liked to ___________ his money.
17. Carver did this when he thought up 300 ways to use the peanut.
19. George helped with chores. One of the chores may have been to ______________ leaves.
20. Carver _________ some scary things when bushwhackers came to the farm.
21. Carver started with nothing, _________ he never quit trying.
22. _______ the people...
23. Similar to.
24. Susan Carver made lye from water and wood ashes. She used the lye to make ______________
25. The opposite of odd.
27. The opposite of under.
28. A kind of mushroom found in the spring. Carver probably saw these growing in the woods.
30. Carver had to ___________ home in order to get an education.
31. Carver believed his work was a search for ______________.
32. Carver was poor as a boy. He did not have many ______________ to play with.
35. Carver _________ food like anyone else.
36. To "lend an ___________" means to listen.
Crossword Puzzle
Answers to the Crossword Puzzle.
Word Search

Circle these words relating to Dr. Carver and his life. See how many you can find! The words can be horizontal, vertical, or diagonal, in any direction, including backwards.

peanut  learn  soybean  nature
sweet potato  plant doctor  cotton  grow
Alabama clay  improve  plants  farmers
flowers  paint  work  draw
slave  study  scientist  relate
artist  achieve  teacher  make
Mary Carver  invent  Jim Carver  think
Moses Carver  pray  Susan Carver  Tuskegee
Diamond School  George Washington Carver  Booker T. Washington

G E O R G E   W A S H I N G T O N   C A R V E R
R I N T   T R E M   R A L A M   E   E   E   E   V   A   L   E   A   A   E   B   E
O V E N   O T O   E A N   P   N   O   A   E   T   C   I   L   C   E   V
W A L   R   C   A   S   V   E   R   G   R   C   R   G   O   A   I   P   R
D   L   E   V   I   F   S   G   E   O   O   N   G   H   A   N   P   T   J   E   A
P A I   N   T   R   K   L   E   S   R   I   A   E   G I   H   M   N   E   A   C
O   B   P   I   E   Q   V   R   V   A   C   P   R   R   E   H   O   S   F   T   N   N
U   A   V   M   A   R   R   I   R   O   R   A   M   M   W   M   S   N   L   X   Y   U   A
Z   M   R   A   J   I   M   C   A   R   V   E   R   I   B   A   O   Y   D   U   T   S
C A C   H   I   E   V   E   C   A   R   Q   O   E   V   R   W   K   E   F   A   R   U
F   C   R   E   E   G   E   K   S   U   T   G   H   I   E   T   J   E   K   L   M   S
N   L   O   T   P   Y   O   Y   T   C   P   E   A   R   D   R   S   W   E   E   L   E
S   A   Z   O   I   A   N   B   O   S   N   O   S   C   E   E   P   R   A   Y   T   N
U   Y   J   N   L   S   A   D   A   D   T   R   L   V   M   K   R   O   W   Q   S   V
S   A   A   R   B   C   T   W   A   L   R   G   R   D   E   O   A   R   V   E   I   I
A   B   F   A   G   N   U   C   A   R   V   A   H   I   C   O   T   T   O   N   T   R
B   A   J   E   A   K   R   L   M   N   C   O   W   P   Q   B   O   R   I   N   N   O
L   L   L   R   L   R   S   S   O   Y   B   E   A   N   S   O   U   P   B   O   E   N
Y   A   P   L   A   N   T   S   R   S   W   E   E   T   P   O   T   A   T   O   I   A
F   T   Y   T   S   A   N   A   U   V   W   T   H   I   N   K   T   I   S   T   C   L
O   X   Y   D   I   A   M   O   N   D   S   C   H   O   O   L   A   R   G   U   S   A

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Answers to the Word Search.

[Word search puzzle image]
Name __________________________

Work each of the equations below. Match the answer with the letter next to it and fill in the blanks above in order to solve the riddle.

Riddle:

How do you divide 9 peanuts between 10 students?

\[
\begin{array}{cccc}
1,685 & 563 & 1,039 & 1,356 \\
1,552 & 1,356 & 563 & 741 \\
1,472 & 1,529 & 755 & 755 \\
1,356 & 1,048!
\end{array}
\]

A: 251 + 312 = ______
B: 850 + 622 = ______
E: 443 + 913 = ______
K: 623 + 416 = ______
M: 967 + 718 = ______
N: 324 + 417 = ______
P: 614 + 938 = ______
R: 115 + 933 = ______
T: 426 + 329 = ______
U: 819 + 710 = ______
Making Peanut Butter

Most people buy peanut butter in the store, but it is easy to make. Read this sheet and look at the pictures below. Then decide with your group who will act out each step of making peanut butter.

1. Growing a peanut plant.
2. Picking and shelling peanuts.
3. Roasting peanuts in an oven or microwave.
4. Grinding peanuts into peanut butter.
5. Making peanut butter sandwiches.
Refer to the nutrition label for peanut butter below and answer the following questions.

1. How many servings are in this jar of peanut butter? _______

2. How many grams of protein are in each serving? _______

3. How many grams of cholesterol are in each serving? _______

4. How many grams of saturated fat are in each serving? _______

5. How many milligrams of sodium are in each serving? _______

6. How many calories are in each serving? _______

7. What percentage of the daily value of fiber is in each serving? _______
FOOD Guide PYRAMID
for Young Children
A Daily Guide for 2- to 6-Year-Olds

MILK Group
2 servings

VEGETABLE Group
3 servings

MEAT Group
2 servings

FRUIT Group
servings

GRAIN Group
6 servings

Fats & Sweets
Eat LESS
Peanut Bingo
Randomly write the numbers 1 through 34 in the boxes below. Students may win by getting 5 numbers up and down or 7 numbers across.

Use peanuts as markers when it is time to play. Good luck!

Math Activity Sheet