

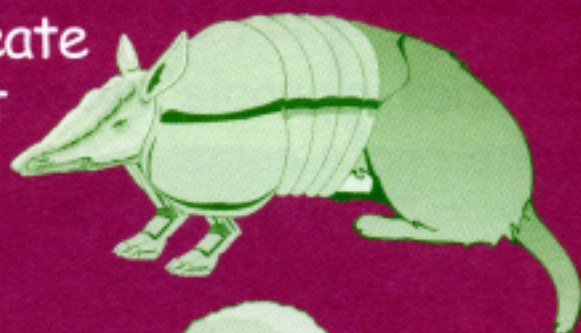
# PRIMARILY *for* U.S.\*

GRADES 2-3

\* Understanding Science

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Did you know that scientists can put  
the pieces of two living things together?  
It is not to create  
something that  
looks like this



...or this



...or this.



Scientists do this with plants. It is called grafting.  
You probably have seen a grafted plant. For instance,  
have you ever seen a . . .



ROSE?



Most rose bushes in people's yards are grafted plants. The flowers and the roots come from two different plants.

Why do scientists do this?

There are many different kinds of roses. Only some roses grow well on their own roots in Atlanta. With grafting, many roses grow well in Atlanta.

Did you know roses have names?  
These are some of the names.

Fire King

Popcorn

Yellow Doll

Love

Cupcake

Lady X

Peace

First Prize

Red Lion

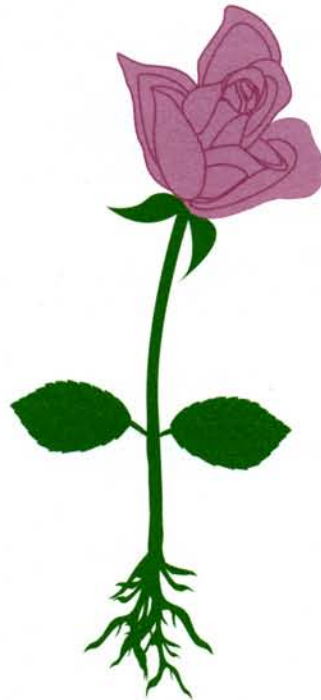
Summer Sunshine



## Here is how it works.

Meet *Dr. Huey*.

*Dr. Huey* is a rose that has good roots for Atlanta.



Meet *Pink Peace*.  
*Pink Peace* is a pretty rose but it has bad roots for Atlanta.



Scientists take the roots from *Dr. Huey*. They take a stem from *Pink Peace*. They put the *Pink Peace* stem on the *Dr. Huey* roots. The two pieces grow together and make one plant. Now *Pink Peace* roses can grow in Atlanta.

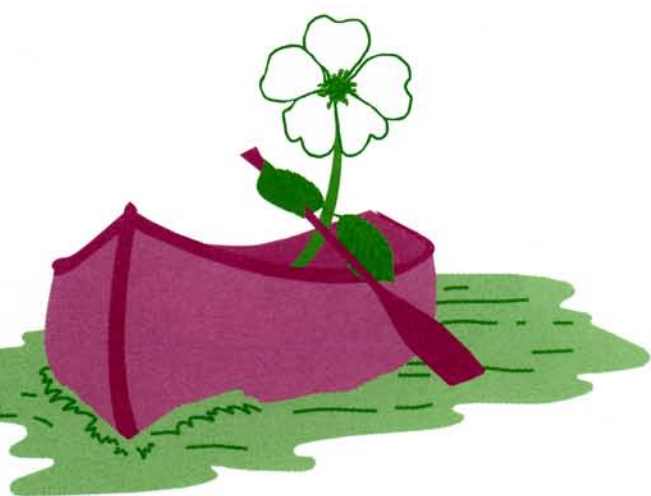
We have a rose garden at Fernbank Science Center. If you visit, you will see over 200 different kinds of roses. Almost all of them have *Dr. Huey* roots.





There are roses in Atlanta that grow here naturally. They grow on their own roots. The state flower of Georgia grows here naturally. It is the Cherokee Rose.

The Cherokee Rose has a bit of mystery to it. It is originally from China. No one knows how it first came to Georgia.



The Cherokee rose has white petals. For Cherokee people, the white petals mean tears. The legend is that the Cherokee Rose grows where mothers' tears fell when the Cherokee people were forced to leave their homes in 1838.

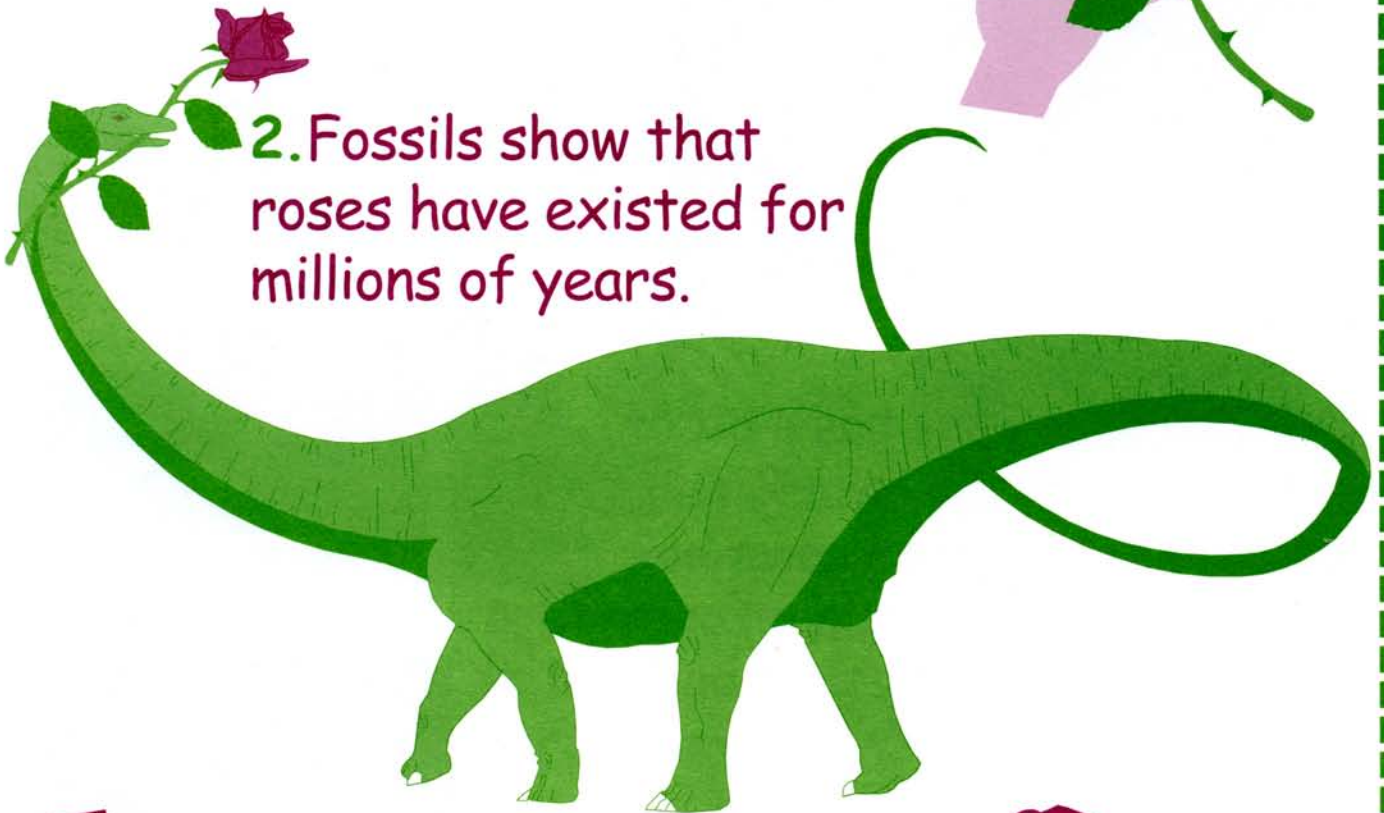


## Fun Facts about Roses

1. Roses do not have thorns. Thorns grow as part of the stem. Roses have prickles. Prickles can be snapped off.



2. Fossils show that roses have existed for millions of years.



3. There are no blue roses!



4. Congress declared that 2002 is the Year of the Rose.



Roses come in many different colors. The colors can mean different things. Can you unscramble the color and what it means?



**E D R**

means

**O V E L**

\_\_\_\_\_

means

\_\_\_\_\_

**N I P K**

means

**H A K T N O U Y**

\_\_\_\_\_

means

\_\_\_\_\_

**E L L Y O W**

means

**Y O J**

\_\_\_\_\_

means

\_\_\_\_\_

**W E H I T**

means

**P U E R**

\_\_\_\_\_

means

\_\_\_\_\_



You can visit our rose garden at 767 Clifton Road. The garden is open daylight hours Tuesday through Sunday and is free. On June 1, we will be having a Rose Garden Day.

**Come visit!**

Written by Rachel Fiore and Hannah Cousar  
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