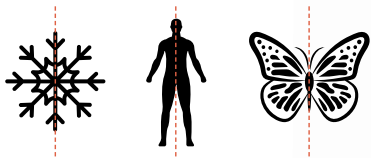




**TREE**  
**SYMMETRY**  
**JOURNAL**



Did you know that plants have symmetry? Something has symmetry when a line can be drawn through the middle and the object is the same on both sides.



Are you ready to learn about the symmetry of trees?

## RED MAPLE TREES

### Did You Know?

- Their fruits (called samaras) provide food for squirrels and many other rodents.
- Their tender shoots provide food for rabbits and deer.
- The nation's largest red maple is in Great Smokey Mountains National Park. It is 141 feet tall and its trunk has a 7-foot diameter.



## RED MAPLE LEAF



## RED MAPLE SEEDS



Can you finish these drawings using plant symmetry? Feel free to use the same colors, or use your creativity to mix colors up!





## OAK TREES

### Did You Know?

- Oaks provide shelter to many animals such as squirrels, birds, and caterpillars.
- Their acorns are an important source of food for these animals.
- There are approximately 500 species of oaks in the world.



**OAK  
LEAF**



**OAK  
ACORN**

Can you finish these drawings using plant symmetry? Feel free to use the same colors, or use your creativity to mix colors up!





## **SYCAMORE TREES**

### **Did You Know?**

- They are sometimes called buttonball trees because of their globose (globe-like) seed structures.
- They can grow up to 100 feet tall.
- They have patchy bark. As the outer bark flakes off, inner bark appears in shades of white, gray, green, and yellow.



**SYCAMORE LEAF**



**SYCAMORE SEED STRUCTURE**

Can you finish these drawings using plant symmetry? Feel free to use the same colors, or use your creativity to mix colors up!





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