

Symmetry

Worksheet 1

1. What is symmetry? How would you define it? Can you give examples of symmetry in everyday life?
2. There are three types of symmetry. In three groups go online and make a short presentation to the rest of the class about each type.

Symmetry type	Characteristics	Examples
Reflection symmetry		
Rotation symmetry		
Translation symmetry		

3. We all played with a kaleidoscope when a child. Do you know that kaleidoscope uses symmetry to create images? Go to <http://www.myeducationstuff.com/Symmetry/smartboard-activity2.htm> to have a look and play a little.
4. Now go to <http://ed.ted.com/lessons/the-science-of-symmetry-collm-kelleher#watch> and watch an educational video about bilateral symmetry of our bodies. Answer these questions:
 - What is the definition of symmetry?
 - In biology, which organism are examples of bilateral symmetry?
 - In biology, which organism are examples of rotational (radial) symmetry?
 - How does symmetry help to understand evolution?
5. Go online and have a look at these examples of symmetry in nature <http://listverse.com/2013/04/21/10-beautiful-examples-of-symmetry-in-nature>