

## European Landmarks

**Choose:** Select one of these famous European landmarks.

1. Stonehenge
2. Acropolis (and Parthenon)
3. Colosseum
4. St. Mark's Square
5. Leaning Tower of Pisa
6. Notre Dame Cathedral
7. St. Peter's Basilica (and Sistine Chapel)
8. Louvre Museum
9. Arc de Triomphe
10. Palace of Westminster (and Big Ben)
11. Neuschwanstein Castle
12. La Sagrada Familia
13. Eiffel Tower

**Research:** Use the internet to find some information and pictures about your landmark. We will discuss these items in class before constructing our models.

Where is it? When was it built?

Think about when and where it was built. Examine the pictures closely. What materials do you think were used to build it?

What is additive manufacturing? What do we see around us that was built through additive manufacturing?

What is reductive manufacturing? What do we see around us that was built through reductive manufacturing?

What is joining manufacturing? What do we see around us that was built through joining manufacturing?

If you were going to manufacture a model of the landmark, which method would you primarily use: additive, reductive, or joining? Why?

**Construction:** Build a representation of the famous landmark.

	<b>5</b>	<b>3</b>	<b>1</b>
<b>Likeness (x2)</b>	Unique features make landmark identifiable.	Some realistic use of color and composition.	Color and composition distract from accuracy.
<b>Materials (x2)</b>	Self-made materials and freestanding.	Partially self-made materials. Commercially available model materials used for support.	Primarily used commercially available model materials.
<b>Scale</b>	Over 1 foot tall and/or 1 foot wide. Proportional to real life.	Between 1 foot and ½ foot tall or wide. Minor proportion distortions.	Neither ½ foot in height or width. Major proportion distortions.
<b>Modeling</b>	3D in height, width, and depth (3 viewing angles).	3D from 2 viewing angles.	3D from 1 viewing angle.
<b>Description</b>	Card with model describes: what it is called, where it is, and 2 facts	Card with model describes: what it is called and where it is	Card with model describes: what it is called