



Middle School Challenge (Spring 2018)

Prompt: Design and construct a memorial building to honor a famous person

The Challenge:

Explain to students that the mayor of Rozzopolis wants to construct a building honoring a famous person. It is your students' job to design and engineer a building or structure to honor this person. The design of the building should reflect the accomplishments of this person. Students must follow the criteria outlined by the Mayor's office to be considered. Students will also create a billboard announcing the opening of the memorial.

Memorial Criteria:

- Must pick a famous person (living or dead) to honor. Options include: an author, a sports star, a singer, a Noble Prize winner
- Building requirements:
 - The building or structure must be at least a foot tall (12 inches)
 - The building or structure must include features related to the person
 - The building or structure must have a name on it
- Billboard requirements:
 - The billboard announcing the opening of the memorial may be displayed on or next to the building
 - The billboard may be a flat piece of paper or 3D; must be handmade
- Paragraph (5-10 sentences) explaining why you chose this person and why you chose that design



Rules:

1. Adults can help provide guidance on projects, however we want kids to be in charge of creating! We expect all projects to look like children made them!
2. The only permitted materials common art and building supplies and recycled or up-cycled materials. See list of suggested materials on the following page
3. Adults must submit the entries by **April 15 at 11pm EST.**

Entry must include the following:

1. Name of school and teacher OR parent who oversaw project
2. First name of child(ren) who completed the project
3. Up to 4 pictures of the project at different angles (1 picture must show a ruler or measuring tape of 12 inches next to the building)
4. 7-10 sentence description on their project (we want to understand what they made and why they made it)
5. Submitted on a Powerpoint slide (if submitting multiple entries, all entries must be submitted in one Powerpoint)

Rubric (50 points):

- 5 points for choosing a permitted person to honor
- 5 points for size (12 inches tall)
- 5 points for including features related to the person you are honoring
- 5 points for name displayed on structure
- 10 points for creative use of materials (used many different materials)
- 10 points for description of project
- 10 points for billboard



Examples of Memorials from Around the World



Lincoln Memorial
Washington D.C.



Air Force Memorial
South Africa



United Nations Memorial
South Korea



General Supplies List

This is not an exhaustive list – please add your own supplies

Suggested Art Supplies:

- Pipe cleaners
- Tissue paper
- Colored construction paper
- Popsicle sticks
- Markers, crayons, colored pencils
- Glue and tape
- Straws

Suggested Building Supplies and Recycled Materials

- Tinfoil
- Cardboard
- Plastic cups
- Jars
- Loose parts! Nuts, bolts, PVC pipes, tubes
- Fabric
- Egg cartons
- Crazy items! Pool noodles, seashells, etc.
- Old keys