Project: Icosahedron!
FOR THE TEACHER

Summary
In this project, students will create an icosahedron, a twenty sided ball, to present information about a topic. The icosahedron can be used for any topic that would require the allocation and presentation of material.

Grade Level
High, Middle and Elementary School

NGSS Alignment
This project will help prepare your students to meet the performance expectations in the following standards:

- **Scientific and Engineering Practices:**
  - Obtaining, Evaluating, and Communicating Information

Objectives
By the end of this project, students should be able to

- Obtain information about a specific topic.
- Present information about the topic using the twenty side of the icosahedron.

Chemistry Topics
This project supports students’ understanding of

- Any chosen topic.

Time
**Teacher Preparation:** 15 minutes
**Lesson:** 1 hour

Materials
- Poster board or cardstock
- Scissors
- Glue or tape
- Decorating material: crayons, markers, colored pencils, craft paper, glitter, etc.

Safety
- No specific safety precautions need to be observed for this activity.

Teacher Notes
- I have used the icosahedron to create “Element Balls” and to create “Review Balls”. Below you will find the project hand out for each. The icosahedron project can be applied to a wide range of topics.
- It helps to have a picture or a physical example of what the icosahedron should look like when presenting this lesson. I always start with a few sitting on my desk for reference.
- The balls can be made out of any paper, even regular printer paper, but they are not sturdy. A normal poster board or cardstock work best.