

Teacher Resources

Miniature Missiles!

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Introduction: The nuclear ballistic missiles have played a vital role in protecting our country against nuclear warfare. Even though we have not had to use them, the enemy knows that we have them and it serves as a deterrent to keep the enemy from attacking.

Instructional goal: Students will create a 3-D drawing of a missile and build a model to scale of the missile.

Materials:

“Model of Missiles” - 3-D software or graph paper, rulers, modeling clay

Estimated time: 2-3 class blocks

Teacher procedures/student activities:

1. Hook: Show the video from <http://www.usnavymuseum.org/>. It is in the “Virtual Tour” tab, “North Hall”, “Technology for the Nuclear Age”, “Special Projects Office”.
http://www.usnavymuseum.org/Ex1_SPO.asp
 2. Show the video “Trident missile launch”.
 3. Discuss “Types of Fleet Ballistic Missiles” by using the PowerPoint.
 4. Show the video “USS Nevada missile launch”.
 5. Students will complete the “Miniature Missiles” activity
- **Closure activity** – Discuss the different types of missiles and have students observe the models created by their peers. Students with the same model will compare the sizes to check for accuracy in building the model. Show the multimedia presentation completed by the class.
 - **Assessment** – Sketch and model of missile (individual)