

Tsunami activity 12: **Design an informative brochure on tsunamis and safety**

Description: Students create a brochure about tsunamis, including advice on how to increase personal safety. Can be done in class or as homework.

Materials: student worksheet (1.Tsunami brochure)

Duration: take home assignment

Teacher instructions and notes:

1. Have students create a brochure using the knowledge they have gained about tsunamis. They should include all the topics listed on the accompanying worksheet.
2. The purpose of the brochure is to inform citizens about tsunami hazard and introduce the safety precautions they should follow if they live in a low-lying coastal area.
 - One good source of information can be found at
Public Safety Canada – Get Prepared : Personal preparedness
Eng: <http://www.getprepared.gc.ca/knw/kt/kt-eng.aspx>
Fr: <http://www.preparez-vous.gc.ca/knw/kt/kt-fra.aspx>
3. Students can choose to focus on a particular city or a specific region or create a brochure that is intended for all coastal communities.

Tsunami brochure

Design and create a brochure for people living in a coastal region of Canada. You can target a specific area that has been hit by a tsunami in the past or a specific coastline or focus on tsunamis in general for all coastal communities.

In your brochure, you should explain the science, present the risk, and discuss safety precautions that people should follow when living near the coast. Include pictures or drawings to make your brochure more interesting.

Ensure that your brochure contains the following information:

1. What is a tsunami?
2. How does it form?
3. Facts. Examples include:
 - Average wave heights
 - Average speed at which they travel
 - How the waves gain force
 - Run-up distances
 - Worst tsunami in Canadian history
 - etc.
4. What damages can tsunamis cause?
5. History of tsunamis in Canada, including the size and the damage caused by some of the tsunami events. See **Atlas of Canada: Tsunamis** [PDF] - included as part of these resources:
6. Discuss safety precautions and measures that governments undertake to protect citizens.
7. Discuss safety precautions and measures that people should take if they live in a low-lying coastal community, such as family evacuation plans and what is needed in an emergency kit.

Information on emergency kits can be found on:

Public Safety Canada – Get Prepared : Personal preparedness

Eng: <http://www.getprepared.gc.ca/knw/kt/kt-eng.aspx>

Fr: <http://www.preparez-vous.gc.ca/knw/kt/kt-fra.aspx>