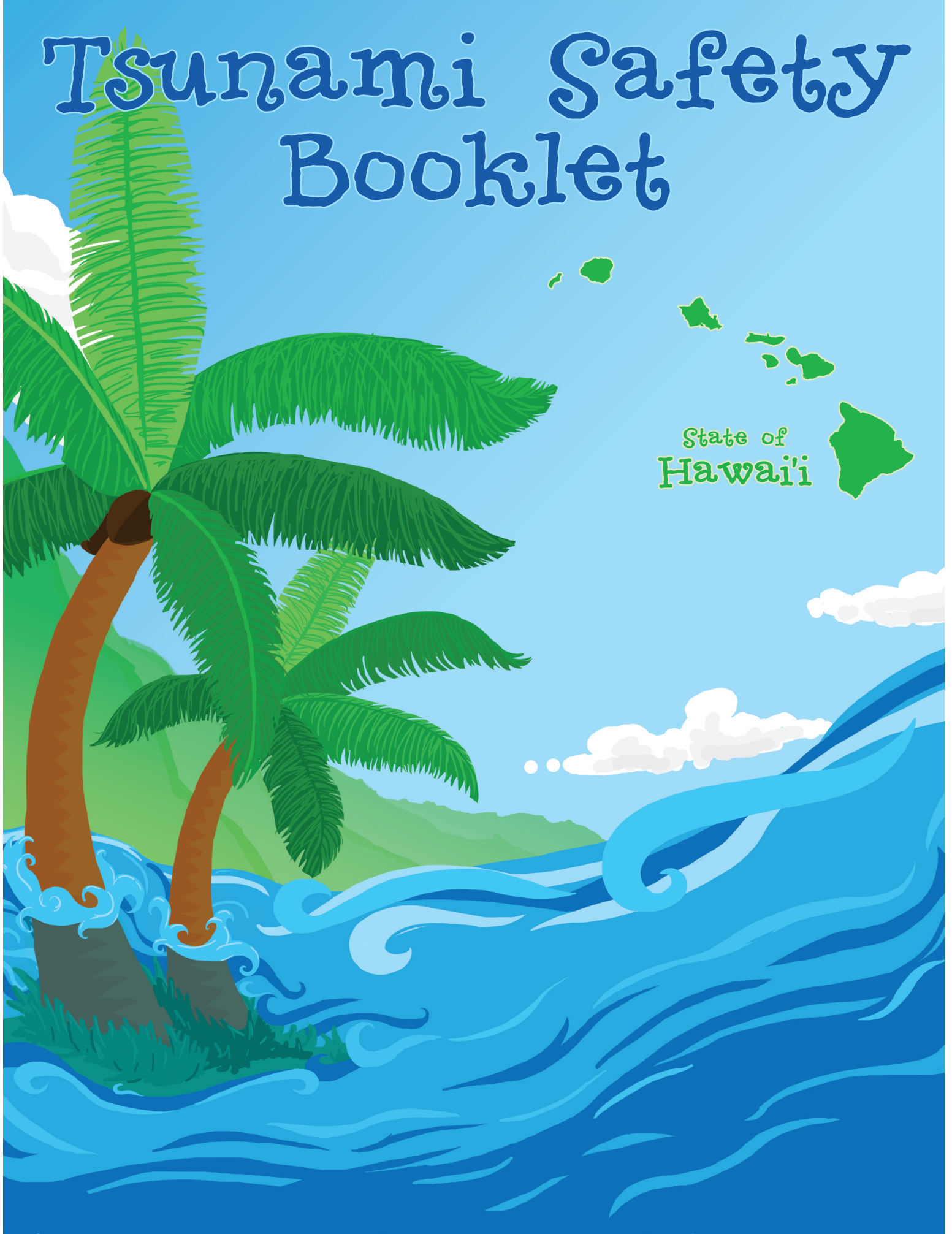


Tsunami Safety Booklet

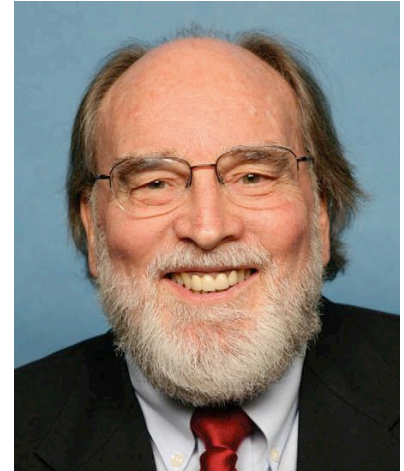


State of
Hawai'i

A Message from Neil Abercrombie Governor of the State of Hawai'i

Aloha!

Wherever you live in Hawai'i, the ocean plays a role in your life. As an ocean state, we know that the water provides a beautiful backdrop for relaxation and recreation, is a vital part of our ecosystem and sustainability, and brings together the culture and diversity of our islands.



Although we enjoy the many benefits of being a state surrounded by water, we are extremely vulnerable to a tsunami – one of the most serious natural hazards we face here in Hawai'i. Many of us remain unaware of the dangers associated with a tsunami and are unsure of what actions to take when the next one strikes. Tsunamis have impacted our past and will do so in the future, therefore we are proud to present the *Tsunami Safety Booklet* for Hawai'i developed for our keiki, our 'ohana and our state.

We all have a role to play in preparing and responding to the threat of a tsunami...including government agencies, community leaders, teachers, parents and keiki. For that reason, I encourage you to do your part by taking the time to go through the *Tsunami Safety Booklet* for Hawai'i with your class, peers, communities and friends.

We cannot prevent a tsunami... but we can prepare for one.

Mahalo,

Neil Abercrombie, Governor of the State of Hawai'i

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Get Out of the Zone!



There is no tsunami warning signage on the island of O'ahu.



Superhero Challenge!

Work with your teacher and your 'ohana to find out if the following locations are in a Tsunami Evacuation Zone:

- Your home
- Your school
- Your parent's or guardian's place of work
- Your aunt, uncle or grandparent's homes
- Your favorite beach

Make your way out of the Tsunami Evacuation Zone to Safety!

Tsunami Evacuation Zones are places that can be very dangerous during a tsunami event. Tsunami Evacuation Zones have been created based on how far tsunami waves have come inland in the past. Tsunami Evacuation Zones often include rivers and streams because tsunami waves can be funneled up rivers and streams near the coast making them unsafe. **No coastline is safe during a tsunami, so always move inland to higher ground and stay away from rivers and streams.**

Homes, schools, businesses, hotels and, of course, beaches may lie in a Tsunami Evacuation Zone. To be safe, everyone in a Tsunami Evacuation Zone should have a tsunami evacuation plan which will lead them out of the danger zone quickly and safely when a tsunami is approaching.

Do you live, go to school, or play in a Tsunami Evacuation Zone? If you do, you should create a tsunami evacuation plan so that you can leave the unsafe area well before a tsunami strikes. You should also agree on an 'ohana meeting place, in case you are not together during a tsunami.

No Ka 'Ohana

Teach your 'ohana (by speaking or writing directions) how to reach safety from their favorite beach.

Parents: If your child goes to a school within a Tsunami Evacuation Zone, ask school officials about their tsunami evacuation plan. All schools in a tsunami evacuation zone in the State of Hawai'i should evacuate students to a designated safe pick up area outside the Tsunami Evacuation Zone.

Our 'Ohana Evacuation Route

Once a **Tsunami Warning** is issued by the Pacific Tsunami Warning Center, County Civil Defense Agencies and the Department of Emergency Management will coordinate with State Civil Defense to sound the sirens.

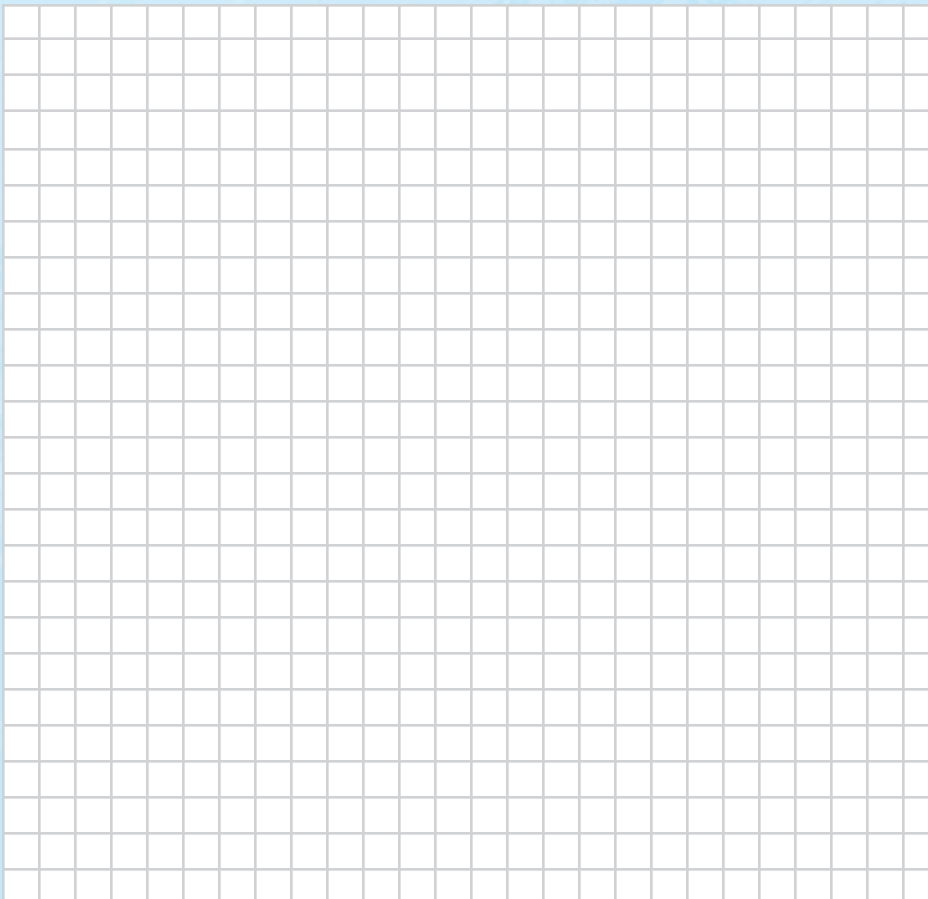
1. Sirens will sound.
2. Messages will be broadcast by radio and television.
3. Messages will be sent out over the internet and to some cell phones.
4. Police will set up roadblocks and may announce the messages over loudspeakers.
5. Civil Air Patrol planes with loudspeakers may fly over coastal areas and announce the message.

A Tsunami Warning means that everyone should evacuate the Tsunami Evacuation Zones immediately.

What if you are camping with your 'ohana at a remote fishing spot? Or on vacation outside Hawai'i where they may not have a Tsunami Warning System? What if you do not receive the warning message? You must know how to recognize Nature's warning signs; you can learn all about these on page 8.

No.Ka 'Ohana

Pick a place in the Tsunami Evacuation Zone that you spend the most time and draw and color a route out of the zone to safety. You should include street names and also your 'ohana meeting place. You can use the maps in the front of your local phone book and also the NOAA Tsunami Hazard Information Service (*see inside cover for the web address*) to help you. Go over the route with your parents and discuss alternate plans should you be separated during an event.



Use Your Senses!

Sometimes you must rely on your senses as a warning of an approaching tsunami. You **may** experience one or more of these natural warning signs:

Feel: An Earthquake.

See: Any unusual water or wave behavior including odd bubbles, whirlpools or water receding or **surging** inland.

Hear: An unusual noise from out to sea.

If you experience any of these signs, you should evacuate to high ground and tell others that a tsunami may be approaching. It is always better to be safe than sorry.

Keyword:
Surging = Rushing

What should you do?

Read the questions and circle or underline each correct answer.

1. If you feel an earthquake?

- a) Jump up and down
- b) Run away from your 'ohana or friends
- c) Drop, Cover and Hold On, then move quickly away from the coast after shaking stops
- d) Run towards the ocean



2. If you see the water recede or surge inland?

- a) Grab your surfboard
- b) Find a cool spot to watch
- c) Collect stranded fish from the rocks
- d) Move quickly and safely to higher ground



3. What do you think a tsunami might sound like?

- a) A loud train
- b) No sound
- c) A loud roar
- d) All of the above (*have been described by tsunami survivors*)



Remember, not all signs may be present in a tsunami event. If you experience one or more of the signs, you should evacuate – it is better to be safe than sorry!

Can animals sense earthquakes and tsunamis?

Just prior to an earthquake or the arrival of a tsunami, people in different places around the world have reported witnessing strange behavior of animals. In Thailand, elephants were seen running away from the coastline just prior to the December 26, 2004 tsunami. Birds have stopped singing, cows have begun leaping and cats and dogs have sought refuge in the strangest of places. Have you heard stories about animals behaving strangely before an earthquake or tsunami?



Emergency Kit

After reading through the text below, follow the path through the house picking up items to put into your emergency kit. But remember, you only have 12 spaces in your backpack, so you must only pick up the most important items. Place the number assigned to each item you choose in the backpack slots.



Tsunamis can happen at any time, so you should always be prepared! When an emergency (like a tsunami) occurs, it is important to have everything you need for several days after the event. Remember, you may not be able to go to the store to get food and may have no fresh water or electricity in your home following a tsunami, so gathering supplies ahead of time is a very good idea. Think carefully about what you and your 'ohana use each day and could not do without! Always pack emergency supplies in a backpack or container that can be easily carried.

Remember, in a locally generated tsunami you may only have minutes to get to high ground – so do not waste time gathering supplies for yourself or your pets!

Do not forget your pets! Pack pet food and any medications for your pets into a pet carrier.

No.Ka`Ohana

As an 'ohana, discuss why it is so important to have an emergency kit for tsunamis and also for emergencies like hurricanes. As an 'ohana, collect as many items for your kit as possible. Remember to let everyone in your 'ohana know where the emergency kit is located!

Checklist!

- As an 'ohana, we have checked to see if our home, school, or parent's workplace is in a Tsunami Evacuation Zone.
- If our home or parent's workplace is in a Tsunami Evacuation Zone, as an 'ohana we have created an evacuation plan. If not, we have created an evacuation plan for our favorite beach.
- As an 'ohana, we have agreed upon one or more 'ohana meeting places in the event of a tsunami occurring while we are separated.
- As an 'ohana, we have discussed the importance of following the 'ohana evacuation plan so that no 'ohana member enters into danger looking for other 'ohana members.
- As an 'ohana, we know where the designated pick up point is if our school is evacuated during a tsunami.
- As an 'ohana, we have discussed the time differences for distant tsunamis and for locally generated tsunamis and we understand the importance of safe, quick evacuation for both.
- As an 'ohana, we have discussed how we can learn about a Tsunami Warning and know how to respond when a warning is given.
- As an 'ohana, we have memorized Nature's warning signs of a tsunami and know to evacuate immediately if any of these signs are present.
- As an 'ohana, we understand that we must not go back into a Tsunami Evacuation Zone until an **All Clear** is given.
- As an 'ohana, we have discussed and prepared an emergency kit.

Complete the pledge below and hand completed booklet to teacher – do not cut out pledge.

PLEDGE: As an 'ohana, we pledge to prepare ourselves and others for the next tsunami event. We will share the information that we have learned in this booklet with others in an effort to keep our community safe when the next tsunami strikes.

Parent _____ Date _____

Child _____

Teacher _____

Find the answers to the activities in this booklet at www.tsunamisafe.org

Our Tsunami Action Plan

Complete this plan and then post it in your home for all to see.

Our 'ohana meeting places are _____

Our 'ohana cell phone numbers *(remember, cell phones may not have service during an emergency)*

Our out-of-state contact is _____

Our emergency kit is located in _____

Our important 'ohana papers _____

are located in _____

(If applicable) The school pick up point is _____

(If applicable) We will be assisting _____ with evacuation.

(If applicable) We will evacuate to our relative's or friend's home at _____

Medications for our 'ohana are located in _____

(If applicable) Our pet carrier is located in _____

(If applicable) Our pet's food, bowls, medication are located in _____

Remember to put all of your emergency contact phone numbers into your cell phone or wallet as you may not have this action plan with you when a tsunami strikes!

