

#### An Adventurous Face-off with an Earthquake

Comic book series about 5 major hazards (Cyclone, Domestic Fire, Earthquake, Heatwave and Thunderstorm & Lightning) for spreading awareness amongst children in the age group of 8-13 years.

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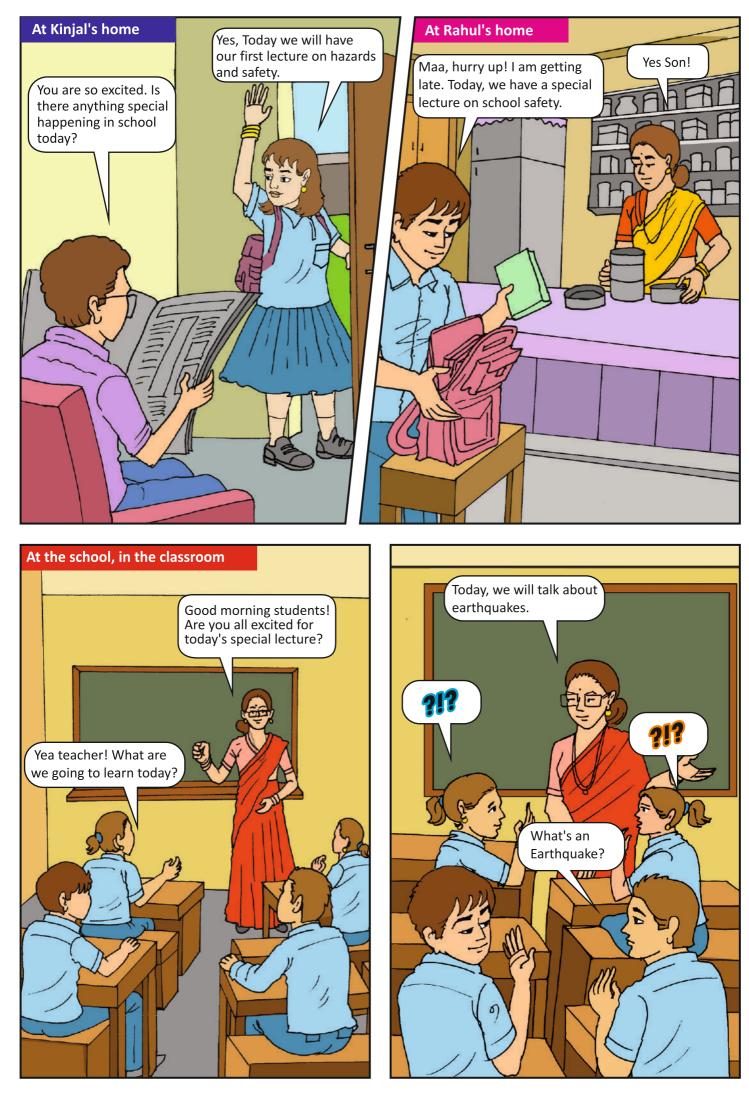
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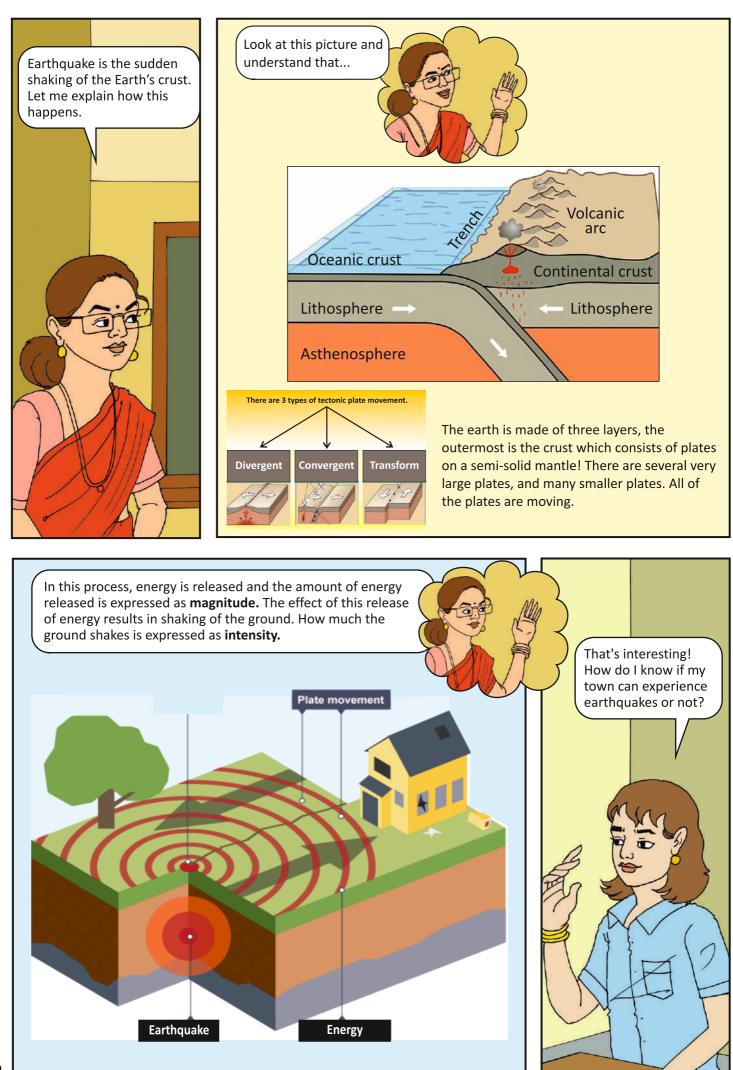
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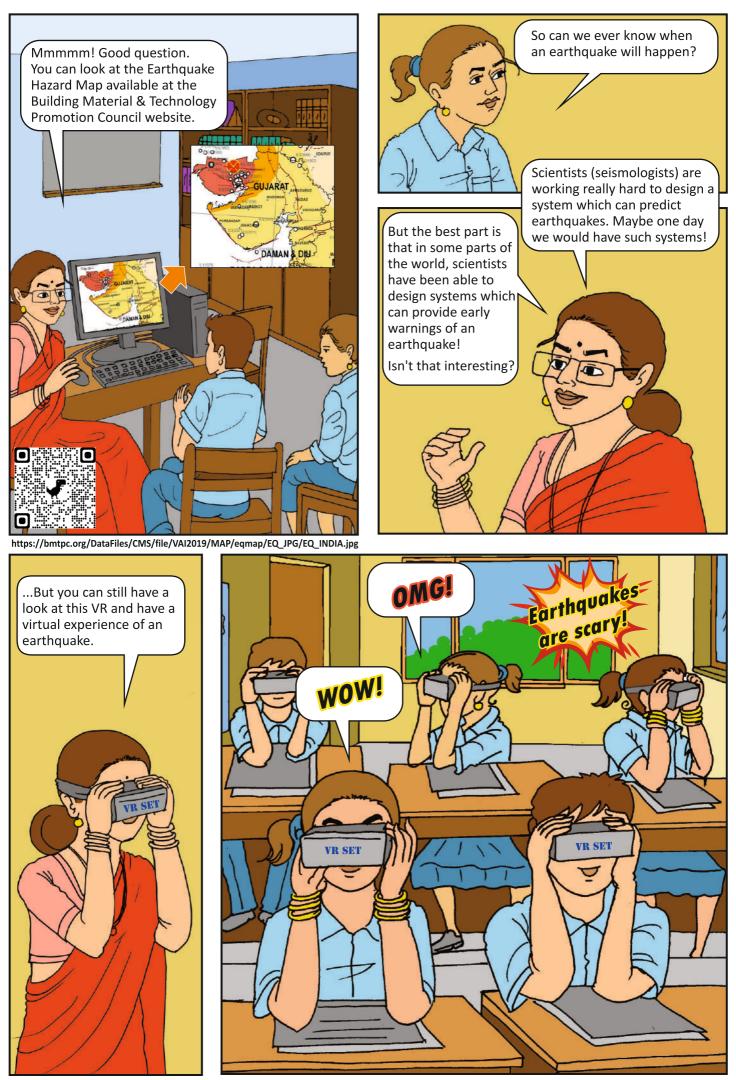
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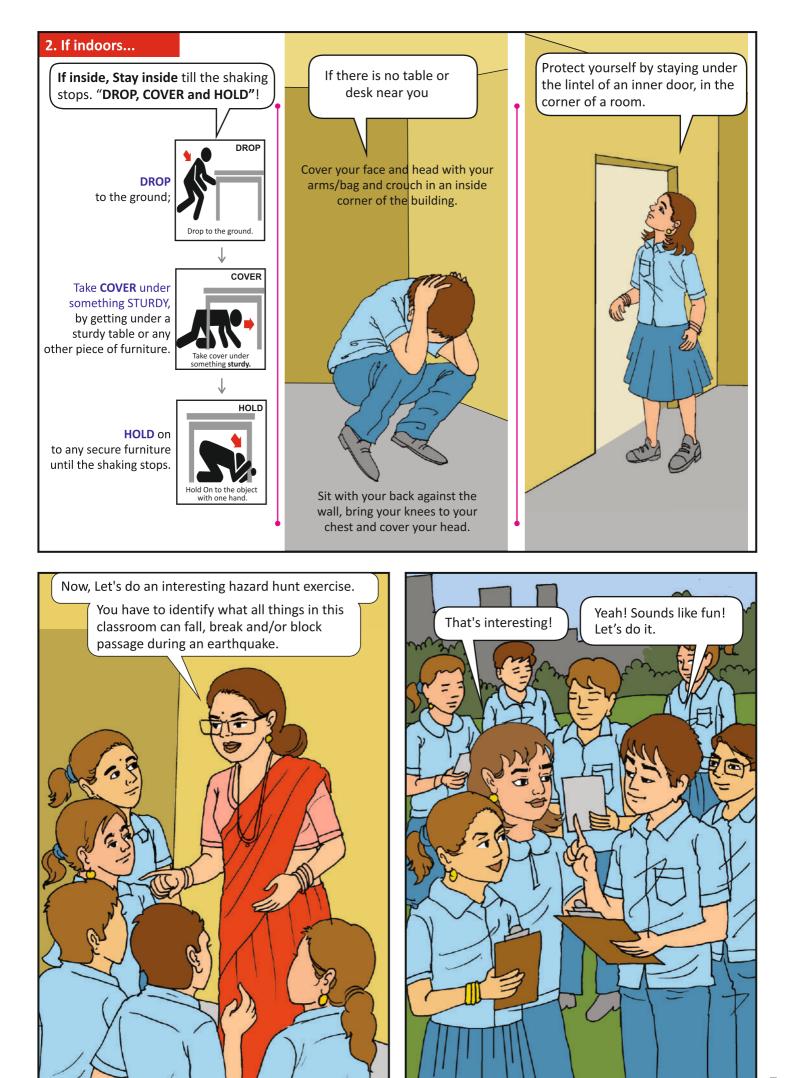
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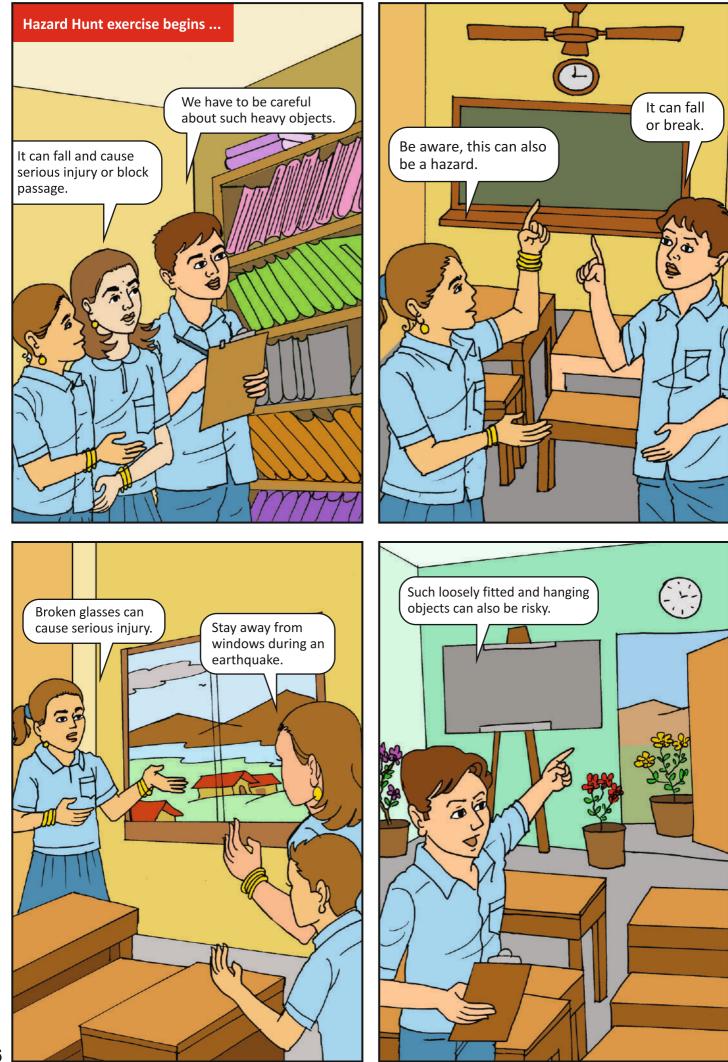








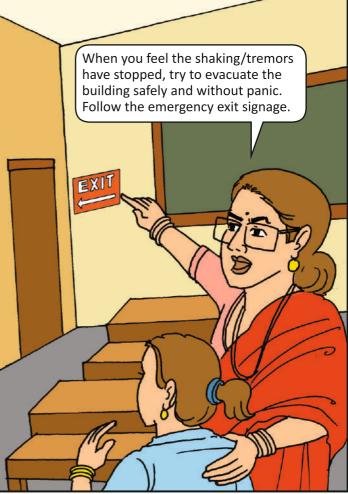




Students, you all have correctly identified the potential hazards in the classroom.

Always remember to keep yourself away from these items as they can fall, break or block your passage during an earthquake.





## 'When they returned back to home'.

Papa, today we learnt about earthquakes. We have to identify and make a list of potential hazards in our house and make an emergency exit plan for our home too.



Now you may all go home and as an assignment, prepare such a list for your home too.





# With an Earthquake





#### **Prepare**

Talk about earthquakes. Tell the facts about earthquake to your family members. Discuss how and why earthquakes occur.

**Find safe spots in your home.** Choose a safe place in each room of your home. Safe spots are places where you can take cover, such as under a sturdy desk or table, or next to an interior wall.

**Practice DROP, COVER and HOLD ON.** Drop under something sturdy, hold on and protect your head and neck by pressing your face against your arm. Practice earthquake drills.

**Be Prepared.** Take the training for first aid and fire fighting. Do not keep heavy and fragile things on the shelves. Keep your important documents, some cash and necessary articles ready in a bag. Identify special skills of neighbor (medical, technical) so that it can be utilized in emergency.

#### **During an Earthquake**

**If inside, Drop, Cover, and Hold On.**—Drop to the ground and take Cover under something sturdy like a desk or table. With one hand Hold On to the object and with your other arm protect your head and neck.

**If outside, find an open spot.** Find a clear spot away from buildings, trees, streetlights and power lines. Drop to the ground and stay there until the shaking stops.

If in a vehicle, stop. carefully move your car as far out of traffic as possible and stop. Do not stop on or under a bridge or overpass or under trees, light posts, power lines, or signs. Stay inside the car until shaking stops

#### **Following an Earthquake**

**Do not Panic.** Do not be afraid of the aftershocks. Listen & watch to radio-TV and other media for Government Announcement. Check for injuries to yourself and those around you. Take first aid where you can. Examine walls, floors, doors, staircases and windows to make sure that the building is not in danger of collapsing. Do not enter into the unsafe or risky houses or buildings. Inspect for gas leaks, switch off electric lines, eliminate fire hazards. Do not keep telephone lines busy unnecessarily.

**Involve children in recovery.** After an earthquake, include your children in clean-up activities if it is safe to do so. It is comforting to children to watch the household begin to return to normal and to have a job to do.

**Listen to children.** Encourage your child to express feelings of fear, anxiety or anger. Listen carefully, show understanding, and offer reassurance.

# Earthquake Magnitude Scale

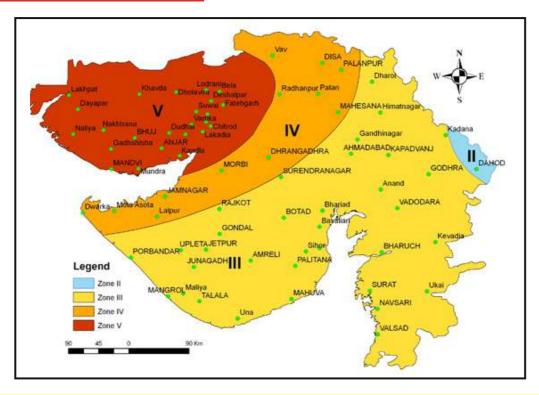
Magnitude	Earthquake Effects
2.5 or less	Usually not felt, but can be recorded by seismograph.
2.5 to 5.4	Often felt, but only causes minor damage.
5.5 to 6.0	Slight damage to buildings and other structures.
6.1 to 6.9	May cause a lot of damage in very populated areas.
7.0 to 7.9	Major earthquake. Serious damage.
8.0 or greater	Great earthquake. Can totally destroy communities near the epicenter.

## **Earthquake Magnitude Classes**

Earthquakes are also classified in categories ranging from minor to great, depending on their magnitude.

Class	Magnitude
Great	8 or more
Major	7 - 7.9
Strong	6 - 6.9
Moderate	5 - 5.9
Light	4 - 4.9
Minor	3 -3.9

# Gujarat Earthquake Zones...



A major earthquake occurred in India on 26th January 2001 in Kutch district of Gujarat.

Kutch District located in Very High Risk Zone – V.

Parts of Jamnagar, Rajkot, Patan and Banaskantha in High Risk Zone – IV.

Most other parts of the State lie in Moderate Zone - III and a very small part in Low Damage Zone - II.

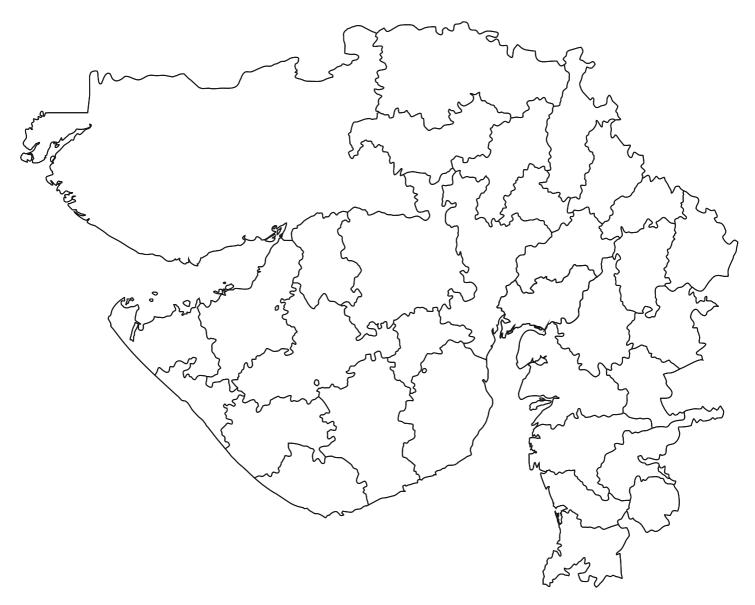
Earthquake risk is very high in Gujarat. The State has suffered major earthquakes in - 1819, 1845, 1847, 1848, 1864, 1903, 1938, 1956 & 2001 (9 times in past 200 years). The 2001 Kutch earthquake was the third largest and second most destructive earthquake in India over the last two centuries.

Source : https://isr.gujarat.gov.in/ http://www.gsdma.org/

# - Fun & Learn Activity ·

# Identify your district in the given map and color it according to the risk zone it falls into.

(You can refer the map given on previous page.)



This is just an Illustrative representation and not to scale.

## Notes :

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