

# Welcome!

## ECA Pre-K-12 Committee Webinar: ***Key Roles and Responsibilities for Educators After Disasters***

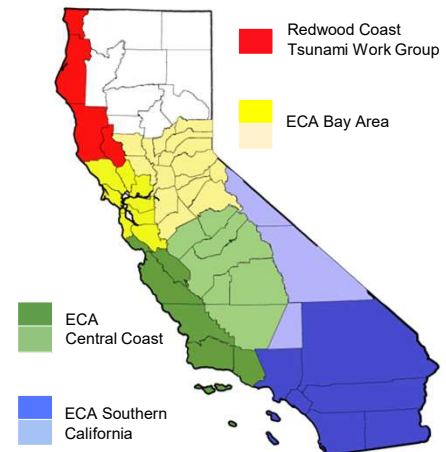


[EarthquakeCountry.org/community](https://EarthquakeCountry.org/community)

2

## Earthquake Country Alliance

- 4000+ *Public-Private-Grassroots* leaders
- Statewide *committees* develop resources and deliver programs
- *Regional Alliances* organize meetings and outreach activities
- California's Office of Emergency Services provides NEHRP funding for ECA earthquake mitigation activities
- USC's Southern California Earthquake Center (SCEC.org) administers ECA



Join: [EarthquakeCountry.org/join](https://EarthquakeCountry.org/join)



3



## National Earthquake Hazards Reduction Program (NEHRP)

- Cal OES applies to FEMA for NEHRP funding, which is provided to SCEC for administering ECA's education, outreach, and mitigation activities.
- NEHRP is a partnership of federal agencies that provide resources to reduce losses caused by earthquakes in the U.S., including support for:
  - Research on the causes and effects of earthquakes
  - Building design recommendations to reduce earthquake damage and disruption
  - Activities that advocate earthquake risk reduction awareness and practices
- ECA also receives funding from NSF and USGS via their support of SCEC.



4

## ECA Statewide Activities

Develop Messaging and Resources:

[EarthquakeCountry.org](https://EarthquakeCountry.org)  
[EarthquakeCountry.org/resources](https://EarthquakeCountry.org/resources)  
[Terremotos.org](https://Terremotos.org)

Support Tsunami Preparedness Week:

[TsunamiZone.org/california](https://TsunamiZone.org/california)

Created and Coordinate  
The Great California ShakeOut:

[ShakeOut.org/california](https://ShakeOut.org/california)

Webinars & other events

[EarthquakeCountry.org/calendar](https://EarthquakeCountry.org/calendar)



**March  
25-31  
2023**

**Shake  
Out**



**Oct. 19  
in 2023!**

5

## ECA Sector-Based Outreach Committees

- Public Sector
- Businesses
- Accessibility
- Non-Profit & Faith-Based Organizations
- Healthcare
- Higher Education
- PreK-12 Education
- EPIcenters (Museums, parks, libraries, etc.)

Each meets bimonthly; Join us!  
**[EarthquakeCountry.org/committees](https://EarthquakeCountry.org/committees)**

6

## ECA Outreach Bureaus (Regional & Statewide)

- **Events Bureau**
  - Speakers for online/in-person events
  - Booths and tables at events
  - Request presenter or information table:  
[EarthquakeCountry.org/events](https://EarthquakeCountry.org/events)
- **Participation Bureau**
  - ShakeOut and Tsunami Week recruitment and communications
  - County/City Partners for local engagement
- **Media Bureau**
  - Statewide and local coordination
  - Media event planning
  - Year-round messaging / news releases
  - Post-earthquake shared messaging



7

# Seven Steps To Earthquake Safety

**BEFORE**

**1. Secure Your Space**



**2. Plan To Be Safe**



**3. Organize Supplies**



**4. Minimize Financial Hardship**



**DURING**

**5. Drop, Cover, and Hold On**



**6. Improve Safety**



**AFTER**

**7. Reconnect and Restore**

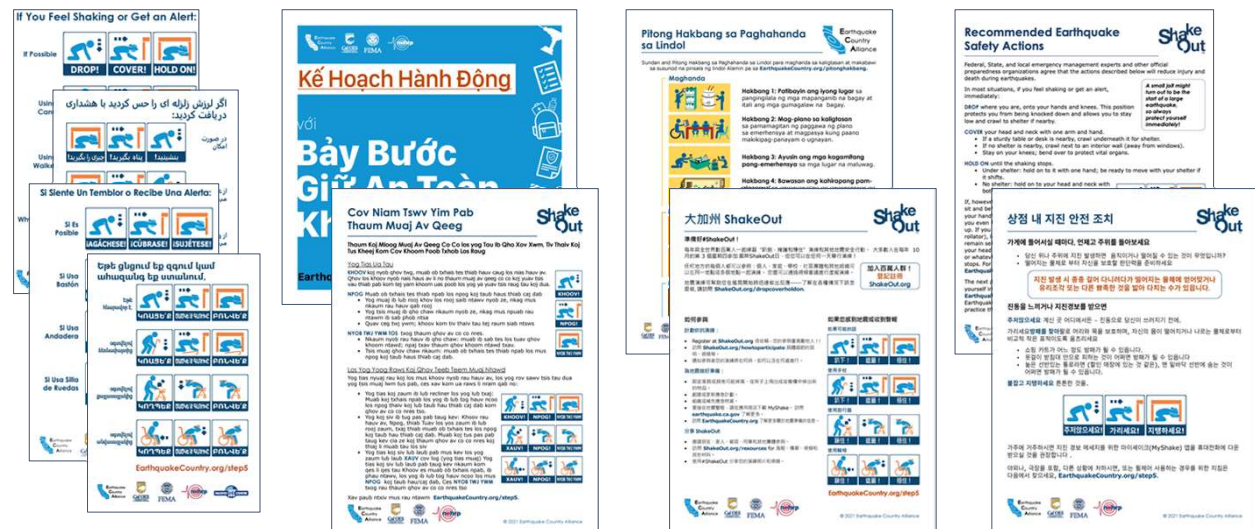


[EarthquakeCountry.org/sevensteps](https://EarthquakeCountry.org/sevensteps)

[Terremotos.org/sietepasos](https://Terremotos.org/sietepasos)

8

## Updated Materials in 16 Languages



[EarthquakeCountry.org/languages](https://EarthquakeCountry.org/languages)

9

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## ECA Pre-K-12 Committee Webinar: ***Key Roles and Responsibilities for Educators After Disasters***



[EarthquakeCountry.org/community](https://EarthquakeCountry.org/community)

10

### ***Zoom Webinar General Information***

Your *sound will be muted* & your *camera will be off*.

Click "[Live Transcript](#)" to manage your view of subtitles,  
(Mobile devices - manage in Zoom settings, meetings section)

ASL interpretation is available

Use the [Q&A](#) feature to post questions for the presenters to answer.

Use [Chat](#) for technical assistance or to share comments, suggested resources, etc.

This webinar will be recorded and shared at [EarthquakeCountry.org](https://EarthquakeCountry.org) in a few days.

11

## Today's Agenda

### **New Disaster Service Worker Video**

Danielle Chapman, Cal OES

### **Schools Emergency Reporting System**

Jake Wolf, California Department of Education

### **Great California ShakeOut & ECA Resources for Schools**

Mark Benthien, Earthquake Country Alliance / SCEC

### **Additional Q&A**

12

## **Danielle Chapman**

Emergency Services Coordinator

California Governor's Office of Emergency Services



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES

13



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES

# DISASTER SERVICE WORKERS IN K-12 SCHOOLS

14

## Disaster Service Workers in K-12 Schools

### OVERVIEW

- Introduction
- Origin
- Partners
- Content of Video
- Video and Links
- Questions and Answer Period



15



## Disaster Service Workers in K-12 Schools

### INTRODUCTION

The Emergency Functions Planning Unit provides aid to other Cal OES branches, federal, state, and local agencies, departments, and other stakeholders with similar functional activities. Some examples are:

- State of California Emergency Plan
- California Emergency Support Functions (Transportation, Food and Ag, CyberSecurity)
- School Emergency Preparedness
- Animals in Disaster
- Other specialized disaster planning and guidance

16

## Disaster Service Workers in K-12 Schools

### PARTNERS

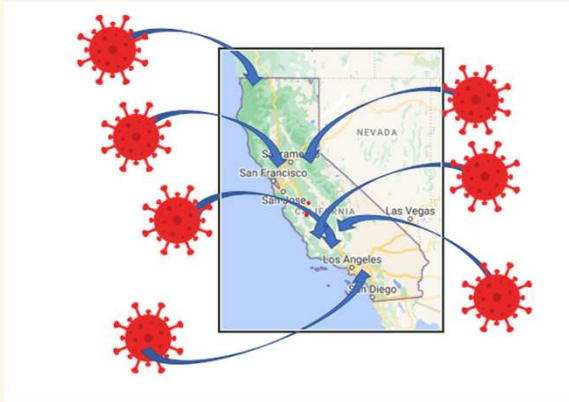
Created in partnership with Cal OES, the Great California Shakeout, the Southern California Earthquake Center, the Los Angeles USD, the California Department of Education, and the Earthquake Country Alliance.



17



## Disaster Service Workers in K-12 Schools



### ORIGIN

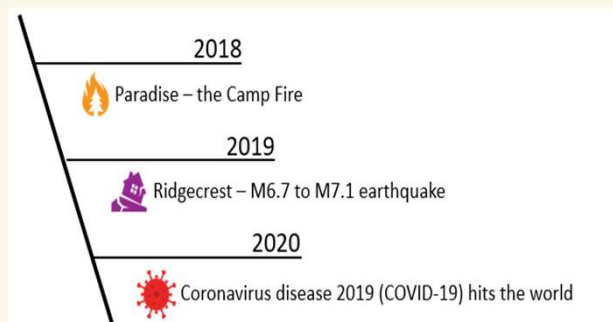
During the COVID-19 Pandemic, Cal OES realized that most public sector education staff are unaware of their role as both Disaster Services and Essential Worker, per statute.

18

## Disaster Service Workers in K-12 Schools

### CONTENT

- Introduces the types of disasters that have impacted California schools
- Their role when disasters strike
- Statutes and Regulations that define both Disaster Service and Essential Worker
- What that means to them and examples of duties
- Being personally prepared with their household
- Resources



19

## Disaster Service Workers in K-12 Schools

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### VIDEO



20

## Disaster Service Workers in K-12 Schools

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### LINKS

#### YouTube

[https://www.youtube.com/watch?v=2nP\\_unOCDGQ](https://www.youtube.com/watch?v=2nP_unOCDGQ)

#### Cal OES Website

<https://www.caloes.ca.gov/office-of-the-director/operations/planning-preparedness-prevention/planning-preparedness/school-emergency-planning-safety/>

21

## Disaster Service Workers in K-12 Schools



### CONTACT INFORMATION

#### **Danielle Chapman**

Emergency Services Coordinator

[Danielle.Chapman@caloes.ca.gov](mailto:Danielle.Chapman@caloes.ca.gov)

Phone: (916)926-9871

#### **Noele Richmond**

Program Manager

[Noele.Richmond@caloes.ca.gov](mailto:Noele.Richmond@caloes.ca.gov)

Phone: (916) 291-3952

22

# Q&A

The recording of today's webinar will be available next week at:

[EarthquakeCountry.org/dsww](https://EarthquakeCountry.org/dsww)

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[surveymonkey.com/r/ZP98DM5](https://surveymonkey.com/r/ZP98DM5)

Questions?

[info@earthquakecountry.org](mailto:info@earthquakecountry.org)

23

# Jake Wolf

Emergency Management Specialist

California Department of Education



24



**Schools**

**Earthquakes**

**Emergency  
Management**



25



## THE CURRENT EMERGENCY SERVICES TEAM

### ■ Emergency Services Team

- Consists of Juan Mireles (Director), Joe Anderson (Manager), and Jake Wolf (Specialist)
- In October 2020, CDE formally established the Emergency Services Team (EST) with two permanent positions.
- The EST is charged with building CDE's internal capacity for emergency response, including interagency coordination, and building the capacity of LEAs in emergency mitigation, preparedness, response, and recovery functions.



26



## EARTHQUAKE STATISTICS IN CALIFORNIA



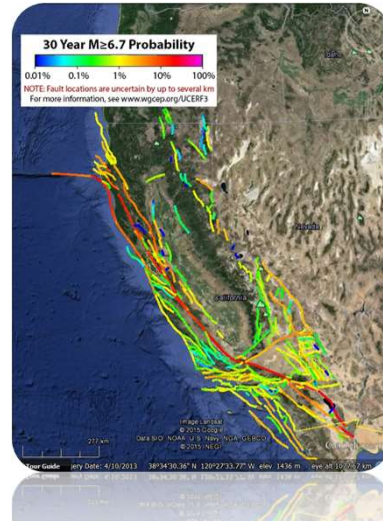
- California experiences more than 10,000 earthquakes each year (USGS)
- Over 500 are greater than 3.0 magnitude (USGS)
- Two of the most earthquake-prone areas in California are the San Andreas Fault and the Hayward Fault

27



## SCHOOL EARTHQUAKE IMPACT STATISTICS

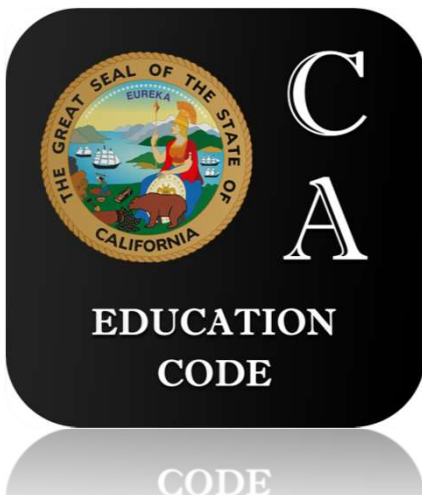
- Approximately 1.4 million students attend schools within 2 miles of a major fault (California Geological Survey)
- More than 7,000 schools are located in areas of high seismic risk (California Geological Survey)



28



## CALIFORNIA EDUCATION CODE



- Overview of the California Education Code sections 32282 and 35295-35297
- Importance of comprehensive school safety plans
- Mandatory annual earthquake drills and instruction
- Need for a robust and detailed emergency preparedness plan as required by California Education Code section 32282
- Components: evacuation routes, emergency contact information, disaster procedures, etc.

29



## SCHOOL SITE PREPAREDNESS

- Sufficient supplies to sustain students and staff for at least 72 hours post-disaster (FEMA guidelines)
- Regular updates to the emergency kits
- Importance of a redundant communication system
- Role of technology in enhancing emergency communication



30



## MENTAL HEALTH



- Importance of post-disaster counseling and support for students and staff
- Compliance with California Education Code section 32228, prioritizing mental health services
  - Earthquakes cause trauma
  - Project SERV for presidential-declared disasters

31





## SCHOOLS EMERGENCY REPORTING SYSTEM

- Tracks impacts from disasters on California's K-12 education system
- System for communications with LEAs
- EST request responses
- Schools self-report
- EST tracks support gaps



32



## CONTACT INFORMATION

- Emergency Services Team
  - Joe Anderson, EST Manager – [joanderson@cde.ca.gov](mailto:joanderson@cde.ca.gov)
  - Jake Wolf, EST Specialist – [jwolf@cde.ca.gov](mailto:jwolf@cde.ca.gov)
  - General inbox – [EmergencyServices@cde.ca.gov](mailto:EmergencyServices@cde.ca.gov)

33

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34

## Mark Benthien

Director for Communication, Education, and Outreach  
Southern California Earthquake Center @ USC

ECA Executive Director



35

## Great ShakeOut Earthquake Drills

- Annual opportunity for schools, organizations, and families to practice earthquake safety and other aspects of their emergency plans
- 2023 International ShakeOut Day: **October 19**
- Learn more and register: [ShakeOut.org](https://www.ShakeOut.org)

# ShakeOut™



36

## ShakeOut Goals

**Shift the culture about earthquakes and preparedness**



**Shift happens.**



37

## Benefits of Registering Your Drill



- Be **counted** in the world's largest earthquake drill
- Be **updated** with news and safety tips
- Be **listed** with other participants
- Be an **example** that motivates others
- Have **peace of mind** that you have taken action and helped others
- Be **better prepared** to survive and recover!

38

## ShakeOut Goals

**Increase earthquake resilience at all levels**



39

# Seven Steps To Earthquake Safety

**BEFORE**

1. Secure Your Space



2. Plan To Be Safe



3. Organize Supplies



4. Minimize Financial Hardship



**DURING**

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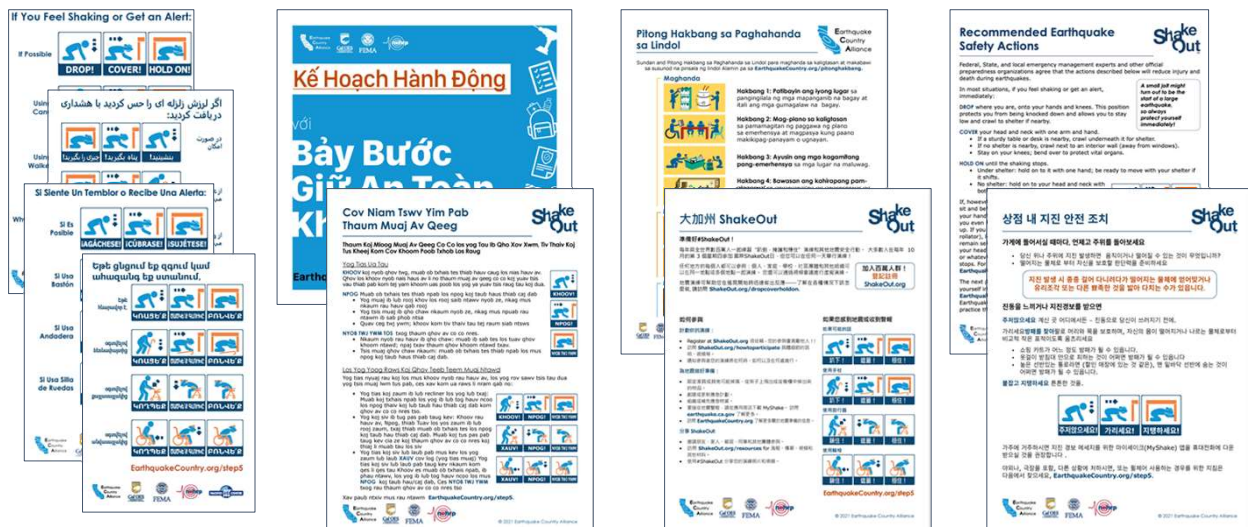


EarthquakeCountry.org/sevensteps

Terremotos.org/sietepasos

40

## Updated Materials in 16 Languages



EarthquakeCountry.org/languages

41



# ShakeOut Goals

**Encourage people worldwide  
to practice earthquake safety**



42

## Why *Drop, Cover, and Hold On?*

- Strong consensus for many years, based on data for how people are injured, and experience of Urban Search and Rescue firefighters
- Prevents being thrown to the ground
- Reduces injury from falling or flying items... including structural elements and exterior façades (brick, glass, etc.)
- Increases chance of surviving collapse



Classroom in Calexico, CA  
April 2010 M7.2



**[EarthquakeCountry.org/step5](http://EarthquakeCountry.org/step5)**

43

## Adapt to Your Situation

If You Feel Shaking or Get an Alert:

- Don't drop down, if you can't get back up
- Practice with others who assist you
- [EarthquakeCountry.org/accessibility](https://EarthquakeCountry.org/accessibility)



[EarthquakeCountry.org/step5](https://EarthquakeCountry.org/step5)

44

## Know How to Protect Yourself

In *most* situations and building types:



**Drop** on to your hands and knees, where you are



See [EarthquakeCountry.org/step5](https://EarthquakeCountry.org/step5) for advice for a variety of settings

45



# Know How to Protect Yourself

In *most* situations and building types:



**Cover** your head and neck with one arm and hand

- If a sturdy table or desk is nearby, crawl underneath it for shelter
- If no table/desk, crawl against a wall or next to low furniture for sideways protection



See [EarthquakeCountry.org/step5](https://www.earthquakecountry.org/step5) for advice for a variety of settings

46

# Know How to Protect Yourself

In *most* situations and building types:



**Hold On** to your shelter until shaking stops

- Be ready to move with your shelter
- If not under a shelter, hold on to your head/neck with both arms and hands



See [EarthquakeCountry.org/step5](https://www.earthquakecountry.org/step5) for advice for a variety of settings

47

## Earthquake Safety Video Series



- Separate short (1-8 min) videos:
  - indoors, nearby table/desk
  - indoors, no table/desk
  - theater/stadium
  - near the shore
  - in a car
  - in bed
  - for users of mobility devices/aids
- View full videos at [Youtube.com/greatshakeout](https://www.youtube.com/greatshakeout)
- Download full videos at [ShakeOut.org/messaging](https://ShakeOut.org/messaging)

48



49



50



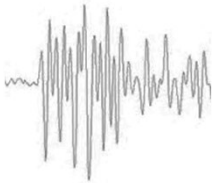
51



52

## When Should You Protect Yourself?

When You  
Feel  
Earthquake  
Shaking



When You  
Get an  
Earthquake  
Warning



When You  
Do an  
Earthquake  
Drill



**ShakeOut.org**  
2022: October 20



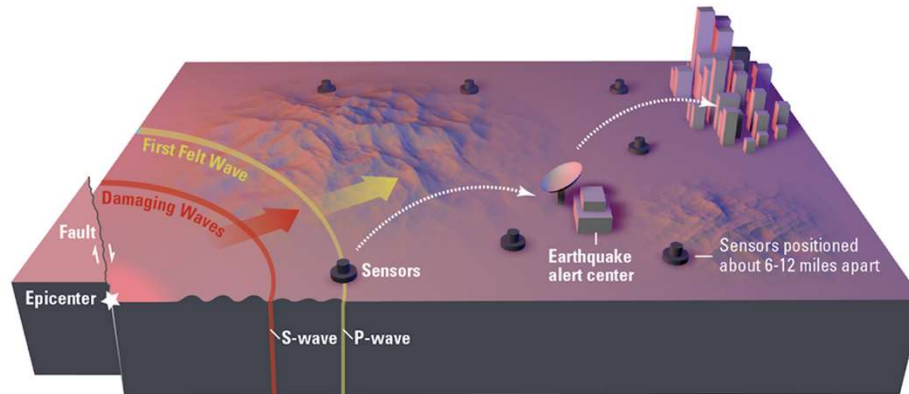
**DROP!**

**COVER!**

**HOLD ON!**

53

## Earthquake Early Warning



Powered by **ShakeAlert®**

54

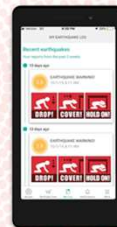
## Earthquake Warning California

Earthquake Early Warnings  
Now Available through Wireless  
Emergency Alerts (WEA)



Magnitude = 5 or greater  
and  
Intensity at your location =  
greater than IV

Download the **MyShake**  
Earthquake Early Warning App.



Magnitude = 4.5 or greater  
and  
Intensity at your location =  
greater than III



Magnitude = 4.5 or greater  
and  
Intensity at your location =  
greater than III

**earthquake.ca.gov**

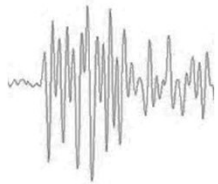
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# When Should You Protect Yourself?



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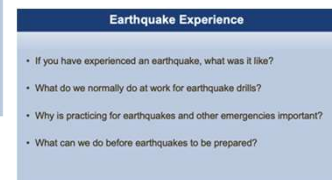
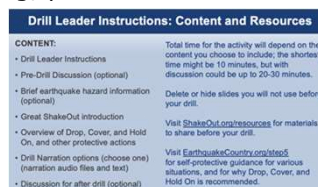
**ShakeOut.org**  
**2022: October 20**

56

## ShakeOut Drill Leader Presentations

- To support remote working / distance learning, presentations were created for drill leaders with:

- Guidance for leading online drills
- Slides to explain DCHO and why
- Slides with ShakeOut "drill narration" with and without sound effects
- Questions for before and after



- Presentations made for 4 categories:
  - Grades K-4
  - Grades 5-12
  - Higher Education
  - Organizations
  - Download: [ShakeOut.org/resources](https://www.ShakeOut.org/resources)
- Spanish Presentation
  - Download: [ShakeOut.org/espanol](https://www.ShakeOut.org/espanol)

57

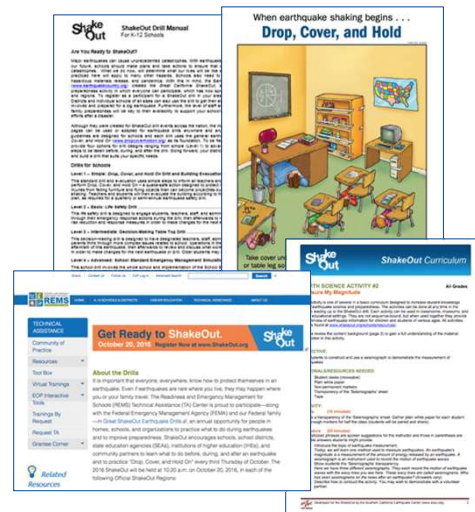
# Example ShakeOut Resources



58

# School ShakeOut Resources

- ShakeOut Drill Planning Resources for Schools
- School Preparedness Information
- ShakeOut Educational Resources
- REMS TA Center Links



[ShakeOut.org/schools](https://www.shakeout.org/schools)

59



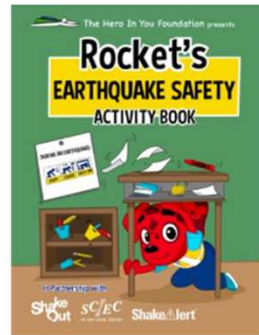
## Materials for Children Ages 4-9



English and Spanish Story Books



The Hero In You  
foundation



Many Languages

[RocketRules.org/earthquake](https://RocketRules.org/earthquake) (videos & more)

60

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61

## Connect with ECA

- [EarthquakeCountry.org](https://EarthquakeCountry.org)
- [Terremotos.org](https://Terremotos.org)
- [info@earthquakecountry.org](mailto:info@earthquakecountry.org)
- [Twitter.com/eca](https://Twitter.com/eca)



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