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Evaluating *Rocket's Earthquake Safety Activity Book* for Enhancing Shared Awareness of Earthquake Safety in Children and Parents

Dare Baldwin, University of Oregon, Eugene, OR, United States, Skyler Gin, University of Oregon, Psychology, Eugene, OR, United States, Sara K. McBride, U.S. Geological Survey, Earthquake Science Center, Moffett Field, CA, United States and Robert M DeGroot, United States Geological Survey - Earthquake Science Center, ShakeAlert Project, Pasadena, CA, United States

Abstract Text:

Considerable evidence indicates that children can learn to respond quickly and appropriately to major shaking events, and even in some cases outstrip parents in this regard. At the same time, videos of earthquake experiences reveal that adults often delay protective action to ensure children's safety. Together, these findings point to the need for educational efforts, such as *Rocket's Earthquake Safety Activity Book*, designed to jointly inform parents and children in order to facilitate shared awareness of appropriate protective action under various possible scenarios. We are evaluating the book's efficacy for enhancing a) children's and parents' memory for earthquake protective action, b) their awareness and trust in one another's knowledge regarding earthquake responding, and c) their engagement and curiosity in other informal learning opportunities about earthquakes. Findings from this evaluation hold potential to aid in both design and implementation of earthquake-related educational efforts across a variety of other formats and settings. Further areas of research include how free choice learning environments and resources like *Rocket's Rules* can inform people about ShakeAlert, the earthquake early warning system of the United States.

Session Selection:

NH005. Advancing Earthquake Early Warning through Communication, Education, Outreach, and Social Science Worldwide

Submitter's E-mail Address:

baldwin@uoregon.edu

Abstract Title:

Evaluating *Rocket's Earthquake Safety Activity Book* for Enhancing Shared Awareness of Earthquake Safety in Children and Parents

Requested Presentation Type:

Assigned by Program Committee (oral, eLightning or poster discussion session)

Previously Published?:

No

Abstract Payment:

Paid (agu-fm21-937589-2858-5339-5780-4071)

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First Presenting Author**Presenting Author**

Dare Baldwin

Primary Email: baldwin@uoregon.edu

Affiliation(s):

University of Oregon

Eugene OR 97403 (United States)

Second Author

Skyler Gin

Primary Email: sgin@uoregon.edu

Affiliation(s):

University of Oregon

Psychology

Eugene OR 97403 (United States)

Third Author

Sara K. McBride

Primary Email: skmcbride@usgs.gov

Affiliation(s):

U.S. Geological Survey

Earthquake Science Center

Moffett Field CA (United States)

Fourth Author

Robert M DeGroot

Primary Email: rdegroot@usgs.gov

Affiliation(s):

United States Geological Survey - Earthquake Science Center

ShakeAlert Project

Pasadena CA 91106 (United States)

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