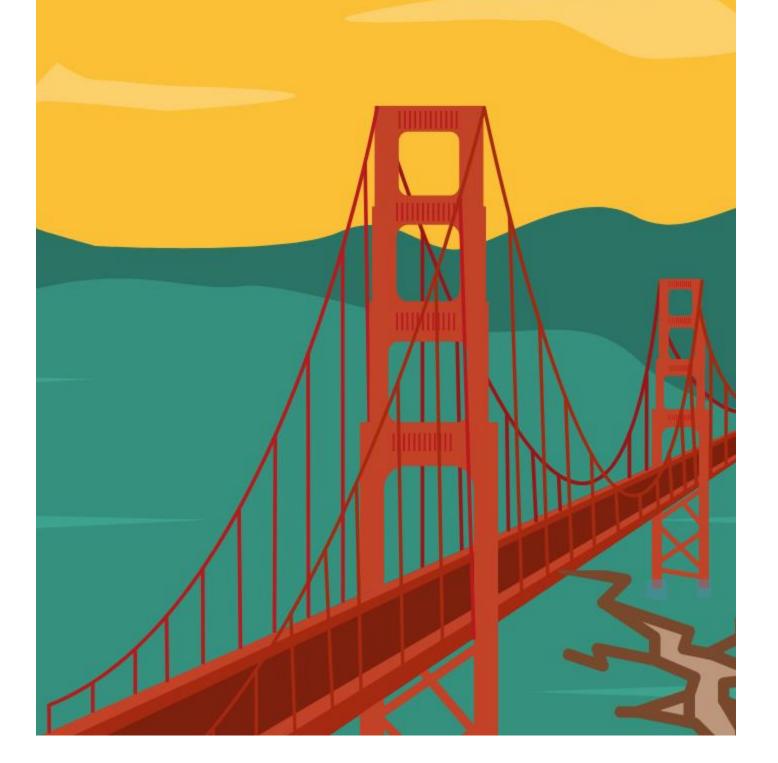


NOVEL STUDY

JAKERROUAKE

By Cary I. Sneider



Why Novel Studies in the Science Classroom?

Here at Nitty Gritty Science we want to foster the love of reading and improve science literacy. We believe that using novel studies in the science classroom will not only give students exposure to different perspectives but will also help them develop an understanding of how science vocabulary applies to so many events in their lives.

Research also shares benefits of using novel studies in the science classroom such as:

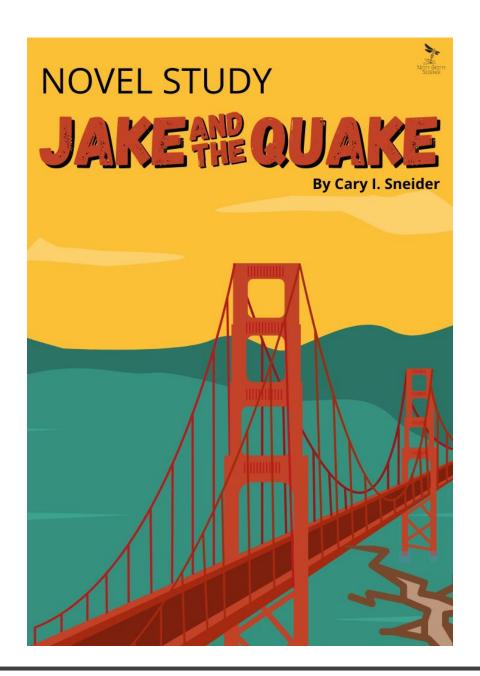
The literacy from reading can easily come from non-fiction and fiction novels that surround a science-related topic and are far more of a high-interest read for the majority of students than reading a textbook (Anderson & Hite, 2010; Batchelor, 2017; Coiro, 2012; Freudenrich, 2000).

Science fiction novels are an excellent way to engage students in science ideas while also helping students improve their literacy skills. (Creech and Hale, 2006)

Teachers can add in other readings from the internet and news articles which brings the reading level down to a more manageable level, however students are more willing to learn and spend the time to learn new vocabulary when highly engaged in what they are reading (Weinbugh et al., 2014).

There is very little research out there about the usefulness of using novels in classrooms other than ELA. Others have used novels and other types of formats to get students excited about science and science concepts (Batchelor, 2017; Coiro, 2012; Freudenrich, 2000; Ivey & Fisher, 2005; Jarman & McClune, 2001), but very few have used novels to teach science concepts and also try to increase literacy skills among students in the secondary classroom, so Nitty Gritty Science is here to help with that!

Happy reading, Erica



Jake and the Quake novel study is based on the novel by Carl I. Sneider and follows the story of Jake amid the Loma Prieta earthquake of 1989.

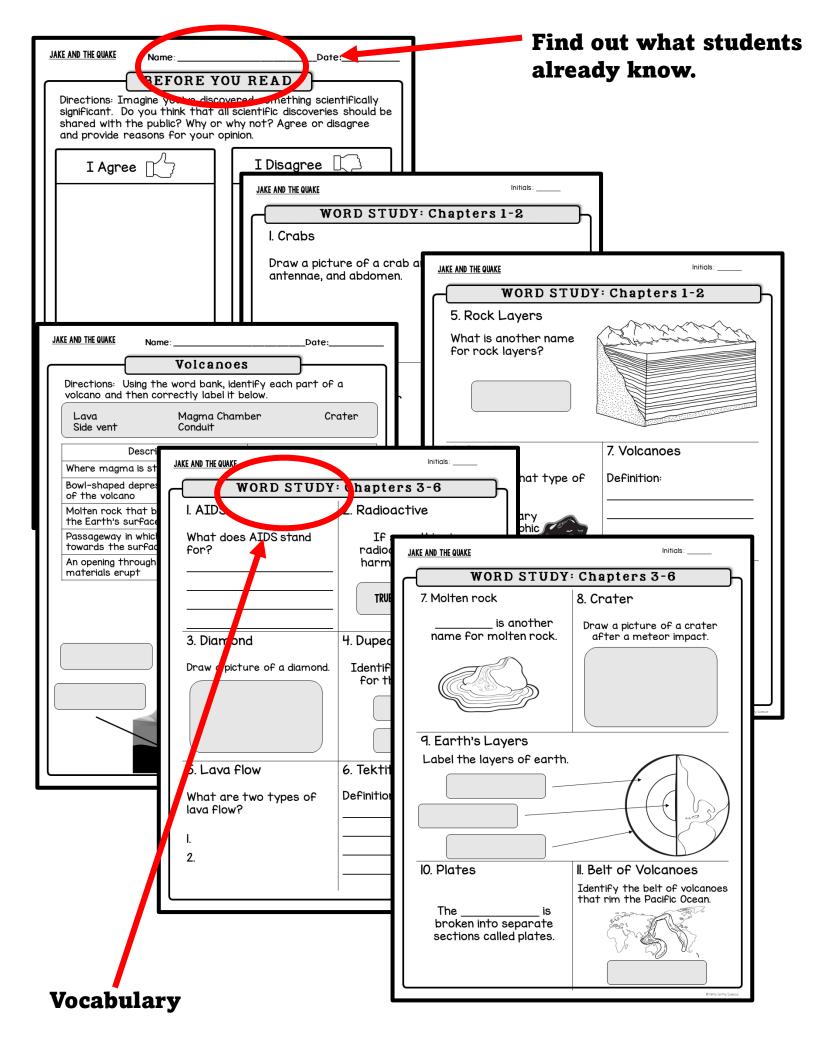
When Jake finds an unusual rock in the cliffs under the Golden Gate Bridge, he embarks on an adventure of discovery that will bring him new friends, new knowledge, and even the confidence to face a devastating earthquake.

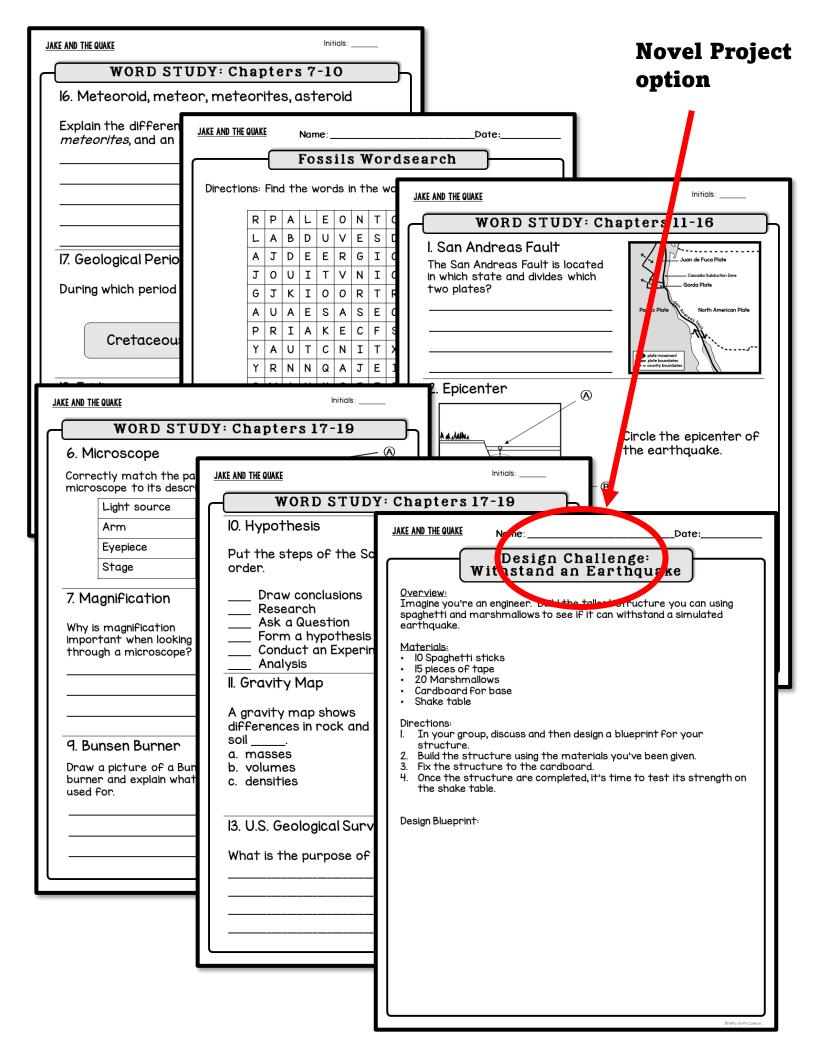
Hyperlinked Table of Contents

Table of Contents: <u>Jake and the Quake</u> Novel Study	
Description	Page #
Before You Read	3
Word Study: Chapters 1-2	4-8
Volcanoes	9
Word Study: Chapters 3-6	10-12
Earthquakes: Types of Faults	13
Word Study: Chapters 7-10	14-17
Fossil Wordsearch	18
Word Study: Chapters II-16	19-21
Natural Disasters	22
Word Study: Chapters 17-19	23-25
Project	26

Check out the following sample pages focusing on science vocabulary, reading comprehension, and literacy-based projects!

Teacher Guide included!









Thank you for sharing Nitty Gritty Science with your students!

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