

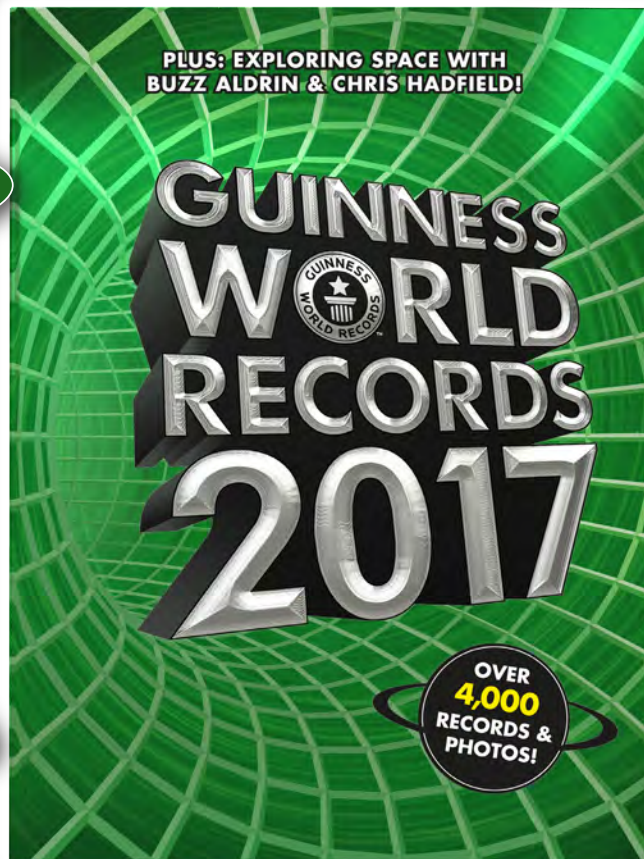


# TEACHER'S GUIDE 2017

Research the record titles in your annual book(s) and/or online!

Look inside for STEM-friendly activities!

Don't forget to share your students' accomplishments!  
#GWR2017



Common Core Connections for GRADES 2-5!

**Educators—get ready to make record-breaking fun AND educational!**

For the first time ever, Guinness World Records has created a tool for you to easily use our world-famous records in your classroom.

The activities in this Teacher's Guide are designed to make cross-curriculum learning exciting as they add to your Common Core State Standards and STEM-approved lessons. It's **Officially Amazing!**

**NOTE:** The activities can also be completed by researching online at [WWW.GUINNESSWORLDRECORDS.COM](http://WWW.GUINNESSWORLDRECORDS.COM) if you do not have the book.

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Educators' guide written by Mary Kate Doman, Children's & Young Adult Book Consultant



# Mighty Math Activities

Shortest woman living (mobile)  
Jyoti Amge

## ACTIVITY 1

GUINNESS WORLD RECORDS celebrates human accomplishments as well as human anomalies. This is especially true when you look at the records that feature different sizes of people and their bodies.

★ In pairs, have your students measure their body parts to see how they stack up next to the following big (and not-so-big) record-breakers:

Tallest living man: **8 feet 3 inches**

Largest feet ever: **1 foot 6.5 inches**

Tallest living woman: **7 feet 8 inches**

Longest nose: **3.46 inches**

Tallest teenage boy: **7 feet 1 inch**

Longest toes ever: **5 inches**

Shortest living woman: **2 feet 0.7 inches (left)**

Largest hands ever: **12.75 inches**

Shortest man ever: **1 foot 9.5 inches**

Widest hand span: **12 inches**

Longest baby ever born: **28 inches**

Widest mouth: **6.69 inches**

★ Make sure your students record their measurements. Then have them calculate the difference between their body sizes and the record holders' body sizes.

## ACTIVITY 2

There are many interesting GUINNESS WORLD RECORDS titles that have to do with collections, people using a large number of items to create something, and large gatherings of people. Examples of these records include the **Largest collection of toothpaste tubes** (2,037 tubes), the **Largest balloon structure** (79,854 balloons), and the **Largest gathering of people dressed as dogs** (439 people).

★ Ask your students to find their favorite four records in each of these categories, and then have them create math problems (addition, subtraction, multiplication, and division as appropriate to their current abilities) to compare and contrast the number of things/people needed to break a record.

★ Finally, ask your students to trade their math problems with a classmate and have them complete each other's problems.

Largest collection of toothpaste tubes (2,037)  
Val Kolpakov

## ACTIVITY 3

GUINNESS WORLD RECORDS titles that feature **comparisons** fascinate people year after year.

Ask your students to search for their three favorite records that measure each of the listed comparisons:

- ★ Then have them create spreadsheets highlighting their findings.
- ★ Students should record the following on their spreadsheets: the measurements of the records themselves, the difference in the measurement of each comparison, and the sum of the measurements of each comparison.
- ★ Invite students to share their data and findings with the class.

**YOUNGEST/OLDEST**

**SLOWEST/FASTEST**

**BIGGEST/smallest (SIZE/WEIGHT)**

**SHORTEST/LONGEST (LENGTH)**

**SHORTEST/TALLEST (HEIGHT)**

**SMALLEST/LARGEST (AREA)**



#### ACTIVITY 4

Many GUINNESS WORLD RECORDS titles involve things that are taught and/or found in a typical math classroom. These records include the **Largest tangram**, the **Longest binary number memorized in five minutes**, and the **Fastest time to mentally calculate the square root of a six-digit number**.

- ★ With your class, research the math-themed records, choose your favorites, and hold a “Challenge the GUINNESS WORLD RECORDS title” day in your classroom.
- ★ Let students pick the records they would like to attempt, and let them have a go. Make sure they record their results and compare their achievements to those of the actual record holders.

**Note:** These challenges are just for fun and are not real record attempts. Please ensure this is communicated to all students taking part.



Most medals won at the Summer X Games by an individual (28) Bob Burnquist

#### ACTIVITY 5

Achievements in sports such as baseball, football (soccer), track and field, and even extreme sports are celebrated every day. So it's no surprise that they are commended by GUINNESS WORLD RECORDS in a big way, too!

- ★ Assign or have your students choose a sport and research the GUINNESS WORLD RECORDS book to find all of the current records in that sport.
- ★ Ask them to create a chart listing these records. Then have them convert their charts into a graph (line, pie, or bar) highlighting the record-breaking achievements they found.
- ★ Invite students to share what they've learned with the class.

#### ACTIVITY 6

GUINNESS WORLD RECORDS record titles in the Media and Leisure category present some of the most topical information in a kid-friendly format.

- ★ Divide your class into small groups, and then assign them each a section of the Media and Leisure records, such as Movies, YouTube, Television, Music, Videogames, and Apps.
- ★ Have each small group list all of the records in their section and choose the records they think are the top-five most impressive and write them on the board.
- ★ Then have a large group discussion comparing and contrasting the numbers, money, and statistics that are record-breakers in each Media and Leisure category.

### COMMON CORE CONNECTIONS

The Math activities address the following Common Core State Standards:

#### MATHEMATIC STANDARDS

Operations & Algebraic Thinking	Number & Operations in Base Ten	Measurement & Data
Grade 2 – 2.OA.A.1	Grade 2 – 2.NBT.B.5	Grade 2 – 2.MD.A.1, 3-5, 8-10
Grade 3 – 3.OA.A.1-3, 7-8	Grade 3 – 3.NBT.A.2-3	Grade 3 – 3.MD.A.1, 3, 8
Grade 4 – 4.OA.A.2-3	Grade 4 – 4.NBT.B.4-5	Grade 4 – 4.MD.A.1-2
Grade 5 – N/A	Grade 5 – 5.NBT.B.5	Grade 5 – 5.MD.A.1

#### READING INFORMATIONAL TEXT

Key Ideas and Details	Craft and Structure	Integration of Knowledge & Ideas	Range of Reading Level of Text Complexity
Grade 2 – RI.2.1, 3	Grade 2 – RI.2.4-5	Grade 2 – N/A	Grade 2 – RI.2.10
Grade 3 – RI.3.1, 3	Grade 3 – RI.3.4-5	Grade 3 – RI.3.7	Grade 3 – RI.3.10
Grade 4 – RI.4.1, 3	Grade 4 – RI.4.4	Grade 4 – RI.4.7	Grade 4 – RI.4.10
Grade 5 – RI.5.1, 3	Grade 5 – RI.5.4-5	Grade 5 – RI.5.7, 9	Grade 5 – RI.5.10

Text Types and Purposes	Production and Distribution of Writing	Research to Build and Present Knowledge
Grade 2 – W.2.1-2.3	Grade 2 – W.2.5-6	Grade 2 – W.2.7-8
Grade 3 – W.3.1-3a	Grade 3 – W.3.4-6	Grade 3 – W.3.7-8
Grade 4 – W.4.1-3e	Grade 4 – W.4.4-6	Grade 4 – W.4.7-9b
Grade 5 – W.5.1-3e	Grade 5 – W.5.4-6	Grade 5 – W.5.7-9b

Comprehension and Collaboration	Presentation of Knowledge and Ideas
Grade 2 – SL.2.1-3	Grade 2 – SL.2.4-6
Grade 3 – SL.3.1, 2, 3-5	Grade 3 – SL.3.4-6
Grade 4 – SL.4.1-2	Grade 4 – SL.4.4-6
Grade 5 – SL.5.1-1d	Grade 5 – SL.5.4-5



# Superlative Science Activities



## ACTIVITY 1

There are hundreds of records about different types of features that occur in nature. Most of these records are interesting to kids and have to do with things taught in your classroom. Examples of these records include the **Largest tropical rainforest**, **Deepest open pit**, **Largest swamp**, and **Tallest sea stack**.

- ★ Reproduce a black-and-white line map of the world for each student. Then have them research the GUINNESS WORLD RECORDS book to find 10 interesting landform records.
- ★ Ask them to find and label their landform records on their maps.
- ★ Invite students to share their maps with the class, and then as a group discuss where the different landforms are located and vote on which one is the most impressive landform GUINNESS WORLD RECORDS title.

**Shortest cow (height)**  
**(24.07 in)**  
Manikyam

## ACTIVITY 2

Some of the perennial favorite GUINNESS WORLD RECORDS titles have to do with animals. Many of these records celebrate an animal's size. The **Smallest dog ever**, **Largest mammal on land**, **Shortest cow**, and **Longest snake ever** are just a few of these smile-worthy records.

- ★ Ask your students to look up these animal records and choose their favorite. Then have them research the size of an average animal of the same species.
- ★ Instruct them to draw both the record-breaking animal and the average-size animal.
- ★ Ask them to compare and contrast the two animals and discuss their findings with the class.



## ACTIVITY 3

**LEGO®** is one of the most popular construction toys in the world, and there are exciting Guinness World Records titles to prove it! Hold a **“Challenge the GUINNESS WORLD RECORDS record titles”** contest in your classroom using LEGO bricks and a stopwatch. Have your students try to beat the following record titles:

### ★ Individual competitions:

**Tallest LEGO tower in 30 seconds (with one hand): 28 bricks tall**

**Tallest LEGO tower in 1 minute (with one hand): 48 bricks tall**

**Tallest LEGO tower in 1 minute (with two hands): 131 bricks**

### ★ Team competitions:

**Tallest LEGO tower in 30 seconds (team of two): 42 bricks tall**

**Tallest LEGO tower in 30 seconds (team of four): 43 bricks tall**

**Fastest time to stack 20 LEGO bricks (team of two) 17.441 seconds**

- ★ Make sure to record your students' achievements.
- ★ Then as a class, compare them to the GUINNESS WORLD RECORDS title by figuring out who came closest to each record and how many LEGO bricks short of reaching the record each student and team was.

**Note:** These challenges are just for fun and are not real record attempts. Please ensure this is communicated to all students taking part.

## ACTIVITY 4

The natural world is both beautiful and brutal. Ask your students to research the GUINNESS WORLD RECORDS book to find examples of natural disasters and accidents in nature. Some of these record-breaking occurrences are the **Highest lightning death toll**, the **Worst fire disaster**, and the **Worst landslide disaster**.

- ★ Then have your students choose five records, list them, and write a short description about how instances have impacted Earth and/or the people who were involved in them.

## COMMON CORE CONNECTIONS

The Science activities address the following Common Core State Standards:

Key Ideas and Details	Craft and Structure	Integration of Knowledge and Ideas	Range of Reading Level of Text Complexity
Grade 2 – RI.2.1, 3	Grade 2 – RI.2.4-5	Grade 2 – N/A	Grade 2 – RI.2.10
Grade 3 – RI.3.1, 3	Grade 3 – RI.3.4-5	Grade 3 – RI.3.7	Grade 3 – RI.3.10
Grade 4 – RI.4.1, 3	Grade 4 – RI.4.4	Grade 4 – RI.4.7	Grade 4 – RI.4.10
Grade 5 – RI.5.1, 3	Grade 5 – RI.5.4-5	Grade 5 – RI.5.7, 9	Grade 5 – RI.5.10

Text types and purposes	Production and Distribution of Writing	Research to Build and Present Knowledge
Grade 2 – W.2.1-2.3	Grade 2 – W.2.5-6	Grade 2 – W.2.7-8
Grade 3 – W.3.1-3a	Grade 3 – W.3.4-6	Grade 3 – W.3.7-8
Grade 4 – W.4.1-3e	Grade 4 – W.4.4-6	Grade 4 – W.4.7-9b
Grade 5 – W.5.1-3e	Grade 5 – W.5.4-6	Grade 5 – W.5.7-9b

## SPEAKING AND LISTENING



**Fastest time to assemble the starter pack characters in LEGO® (32 seconds)**  
Leon Ip

Comprehension and Collaboration	Presentation of Knowledge and Ideas
Grade 2 – SL.2.1-3	Grade 2 – SL.2.4-6
Grade 3 – SL.3.1, 2, 3-5	Grade 3 – SL.3.4-6
Grade 4 – SL.4.1-2	Grade 4 – SL.4.4-6
Grade 5 – SL.5.1-1d	Grade 5 – SL.5.4-5



# Engaging Language Arts Activities



**Fastest time to crush three watermelons with the thighs (14.65 seconds)**  
Olga Liaschuk

## ACTIVITY 1

From the woman who holds the record for the **Fastest time to crush three watermelons with the thighs** to the man with the **Largest earlobe flesh tunnel** and everything in between, many of the GUINNESS WORLD RECORDS titles are outrageous.

- ★ Have students research records to find the one that they think is the most outrageous. Then ask them to write and illustrate a comic-book depicting a day in the life of the most outrageous GUINNESS WORLD RECORDS record holder.
- ★ Be sure to invite students to share their finished creations with the class, and then publish their work in a classroom comic-book compendium.

## ACTIVITY 2

**The GUINNESS WORLD RECORDS titles sure are memorable!** Ask your students to create scrapbook pages featuring their favorite records and record holders.

- ★ Have them use pictures from the internet and their own illustrations, as well as words, phrases, and descriptions from the records.
- ★ Publish all of the scrapbook pages into one big book that will inspire other classes in your school to want to take a closer look at GUINNESS WORLD RECORDS titles.

## ACTIVITY 3

**Fastest 100 m on crutches (57 seconds)**  
Tameru Zegeye



GUINNESS WORLD RECORDS titles are full of creativity. Records such as the **Longest career as a gravedigger**, the **Fastest 100 m on forearm crutches**, and the **Most tattoos of bones** were all thought up by people wanting to become record-breakers.

- ★ Have your students write a fictional narrative about a person attempting to break a world record. Ask them to be as original with the story as they can be.
- ★ Spark their creativity by having them read the sidebars in the GUINNESS WORLD RECORDS book as well as the news stories on the GWR website.
- ★ Invite students to share their stories with the class, and then publish them in a class book.

## ACTIVITY 4

Some GUINNESS WORLD RECORDS titles make you think: **"Hey! I can do that!"** Some of these records may include you and your friends making the **Longest human tunnel travelled through by a skateboarding dog**, joining in on the **Largest pillow fight**, and even you and a friend breaking the record for the **Most water balloons caught and kept intact** in one minute (FYI, it's 22).

- ★ Ask your students to research the records and find one that they know how to attempt.
- ★ Have them write "How-To" essays that give step-by-step instructions on how to set the record.
- ★ Then, have them try to attempt the records using only these given instructions.



## ACTIVITY 5

### GUINNESS WORLD RECORDS PLAYING CARDS

Kids love talking about the GUINNESS WORLD RECORDS book and sharing what they've learned with others. Instruct your class to make trading cards for 10 GUINNESS WORLD RECORDS title holders. Traditional trading cards measure  $2\frac{1}{2}$  inches by  $3\frac{1}{2}$  inches, and have a person or animal's picture on one side and statistics on the other.

- ★ Using the pictures and facts found in the records or on the internet, have your students research and create each card with the information he or she deems most important.
- ★ Have your students share their cards with the class and encourage them to trade their cards with each other.



**Tallest house  
of cards (25 ft 9 in)**  
Bryan Berg



**Fastest tortoise (0.28 m/s)**  
Bertie

## ACTIVITY 6

### COMPARE AND CONTRAST

Have students choose two GUINNESS WORLD RECORDS titles from the same record category. For example, two "Animal" records or two "Media and Leisure" records.

- ★ Ask them to find similarities and differences between the two records. Then, have students compare and contrast them by listing the things they have in common and the things about them that are different.
- ★ Spark interest by suggesting that they look at things such as the record holder, how the record was achieved, when it was achieved, how often the record is attempted, and how hard the record was to set.
- ★ Finally, instruct students to use their lists to help them write a compare-and-contrast essay.

## ACTIVITY 7

It's no doubt that GUINNESS WORLD RECORDS titles are exciting. Media outlets often cover many record-breaking attempts. These record attempts may involve one person, a school, or a crowd of thousands.

- ★ Have your students act as reporters and write a newspaper article covering a GUINNESS WORLD RECORDS record-breaking attempt.
- ★ Ask them to research the records and find one that's newsworthy. Encourage students to write snappy headlines and combine facts from the record with quotes they believe the record holder and onlookers would say to a real reporter.
- ★ Invite students to share their news reports with the class, and then publish them as a class newspaper.





#### ACTIVITY 8

Many GUINNESS WORLD RECORDS record holders work and train for many years to achieve their record. One man in particular, **Ashrita Furman**, continues to attempt and break records every year, and at the time of this guide going to print, he held **over 190 records!**

- ★ Have your students research Ashrita Furman and write an informational essay on his life and his GUINNESS WORLD RECORDS achievements.
- ★ Have students share their essays with the class.

#### ACTIVITY 9


Last year, GUINNESS WORLD RECORDS celebrated the **60th anniversary of its first published edition**. It has become known as “the ultimate authority in record-breaking achievements.” The idea for the *GUINNESS WORLD RECORDS* book came from **Sir Hugh Beaver** in the 1950s.

- ★ Have students research the history of Guinness World Records and write a letter to Sir Hugh Beaver telling him what they like about the records, mentioning their favorite records, and thanking him for creating such a lasting and amazing legacy.
- ★ Have students read their letters to the class.



### COMMON CORE CONNECTIONS

The Language Arts activities address the following Common Core State standards:

READING	Key Ideas and Details	Craft and Structure	Integration of Knowledge and Ideas	Range of Reading Level of Text Complexity	Text Types and Purposes	Production and Distribution of Writing	Research to Build and Present Knowledge
	Grade 2 – RI.2.1, 3	Grade 2 – RI.2.4-5	Grade 2 – N/A	Grade 2 – RI.2.10	Grade 2 – W.2.1-2.3	Grade 2 – W.2.5-6	Grade 2 – W.2.7-8
	Grade 3 – RI.3.1, 3	Grade 3 – RI.3.4-5	Grade 3 – RI.3.7, 9	Grade 3 – RI.3.10	Grade 3 – W.3.1-3a	Grade 3 – W.3.4-6	Grade 3 – W.3.7-8
	Grade 4 – RI.4.1, 3	Grade 4 – RI.4.4, 6	Grade 4 – RI.4.7, 9	Grade 4 – RI.4.10	Grade 4 – W.4.1-3e	Grade 4 – W.4.4-6	Grade 4 – W.4.7-9b
	Grade 5 – RI.5.1, 3	Grade 5 – RI.5.4-6	Grade 5 – RI.5.7, 9	Grade 5 – RI.5.10	Grade 5 – W.5.1-3e	Grade 5 – W.5.4-6	Grade 5 – W.5.7-9b
WRITING	Comprehension and Collaboration	<p><b>Largest comic book published (2 ft by 3 ft 1.19 in)</b>  CruZader: Agent of the Vatican  by Omar Morales (USA)</p> 					
	Grade 2 – SL.2.1-3						
	Grade 3 – SL.3.1, 2, 3-5						
	Grade 4 – SL.4.1-2						
	Grade 5 – SL.5.1-1d						
		Presentation of Knowledge and Ideas					
		Grade 2 – SL.2.4-6					
		Grade 3 – SL.3.4-6					
		Grade 4 – SL.4.4-6					
		Grade 5 – SL.5.4-5					