

2015 SAGES: Spring Academic Game for Elementary Students

tournament written by Alex Dzurick, Audrey Bush, Matt Chalem, James Collier, David Dennis, Charles Hang, Sam Haynes, Spencer Johnson, Jason Loy, Ryan Kennedy, Jared Lockwood, Jack Miller, Luke Schuster & Belle Stanfield

Round 1

1. In this book, Elizabeth Lavenza is murdered by a creation of her adopted brother Victor. That creation from this book sees his reflection in a pool and realizes he is hideous, sending him into a murderous rage. For 10 points, name this book by Mary Shelley whose title character is the doctor, not the monster.

ANSWER: **Frankenstein**

2. COMPUTATION: Russell is baking two batches of cookies and needs to get out his chocolate chips. One batch of cookies requires two-thirds of a cup of chocolate chips and the other batch requires three-fourths of a cup. How many total cups of chocolate chips does Russell need to make his cookies?

ANSWER: **one and five-twelfths** cups [accept **seventeen twelfths** or **1.416**]

3. Crispus Attucks died in a 1770 “massacre” on this city’s King Street. Dozens of men wearing Mohawk costumes left a meeting at this city’s Old South Meeting House held by Samuel Adams and boarded three ships in this city’s harbor. For 10 points, name this city where a famous Tea Party occurred in 1773.

ANSWER: **Boston**, Massachusetts

4. This scientist allegedly caused an earthquake with his oscillating machine. He names a unit used to measure magnetic fields. He also made a namesake coil that creates electricity. For 10 points, what Croatian-born scientist’s use of AC power led to a “War of Currents” with Thomas Edison?

ANSWER: Nikola **Tesla**

5. This country is home to the winner of the 2014 Nobel Prize in Economics, Jean Tirole. In 2015, a magazine in this country was attacked, leading supporters to use the phrase *Je suis Charlie*. For 10 points, name this country, where the *Charlie Hebdo* attack happened in its capital of Paris.

ANSWER: **France**

6. One coach of this sport trained on a Silver Arrow, though most players use Firebolts or Cleansweeps. One foul in this sport is called quaffle-pocking. Bulgaria lost to Ireland in this sport’s World Cup even though Viktor Krum caught the Snitch. For 10 points, name this sport played by Harry Potter.

ANSWER: **Quidditch**

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7. This singer is a member of the production team The Smeezingtons, who also produced his album *Doo-wops and Hooligans*. His album *Unorthodox Jukebox* contains songs such as “Locked Out of Heaven”, which he performed at the Super Bowl in 2014. For 10 points, name this singer whose real name is Peter Hernandez.

ANSWER: Bruno Mars

8. This type of gamete is produced in the stamen and is transported to the pistil. This substance is produced in the flowers of angiosperm plants and the cones of gymnosperm plants. For 10 points, name this powdery substance used by plants for reproduction that is the cause of many allergies.

ANSWER: pollen

9. The cross-cousin form of this practice was common among the Iroquois. Under the Napoleonic Code, men could do this at age 18 and women at age 15. *Obergefell v. Hodges* was ruled in favor of same-sex couples being able to do this. For 10 points, name this process, which usually involves a wedding ceremony.

ANSWER: marriage [accept word forms such as getting married]

10. The parents of this hero were Thetis and Peleus. During the Trojan War, this hero was eventually shot by Paris. His mother dipped him into the River Styx to turn him invincible, but left him with one weakness. For 10 points, name this most powerful Greek hero, famous for his namesake heel.

ANSWER: Achilles

11. Producing this kind of book is called lexicography, and some producers of this kind of book include Oxford University and Noah Webster. Headwords help organize these kind of books in alphabetical order. For 10 points, name this kind of book that provides definitions for words.

ANSWER: dictionary [accept lexicon]

12. In 68 degree dry air, this limit is about 343 meters per second. It was first broken in a manned aircraft by pilot Chuck Yeager, while Felix Baumgartner broke it on a skydive. For 10 points, name this limit which is equal to Mach 1 and which creates a sonic boom when it is broken.

ANSWER: sound barrier [accept Mach 1 until read]

13. Robben Island in this country was used as a prison. This country totally surrounds the country of Lesotho. Zulu and Afrikaans are two common languages in this country that contains Cape Town. For 10 points, name this country where Nelson Mandela fought against apartheid.

ANSWER: South Africa

14. Illuviation often happens in one of these called B. Diatomaceous earth can be found in one called L. The one called R is also known as bedrock. A is the top one of these, but is better known as topsoil. For 10 points, name these soil layers, named because they are parallel to the ground surface.

ANSWER: soil horizons

15. After this event, only Jeanette Rankin voted against a declaration of war. While 18 ships were damaged or destroyed in this event, none of the U.S. Navy's aircraft carriers were present. For 10 points, December 7 marks what "date that will live in infamy," a 1941 Japanese attack on Hawaii during World War II?

ANSWER: the Japanese attack on Pearl Harbor

16. This book's main character has a crush on his music teacher who invites him on a trip to the Smithsonian. His younger sister May Belle is crowned the princess of the title location at the end of this novel. For 10 points, name this novel in which Leslie and Jesse create a magical kingdom.

ANSWER: *Bridge to Terabithia*

17. COMPUTATION: George and Martha are planting gardens and need to know the total area. George's garden is 4 feet long and 3 feet wide and Martha's is a square with 2 foot long sides. They can figure out the area of both gardens and add them together to find, for 10 points what total area of the gardens?

ANSWER: 16 square yards

18. This planet's north pole features a hexagon pattern, possibly caused by winds. Around this planet is the only moon in our solar system with an atmosphere, Titan. For 10 points, name this planet, the second largest in the solar system, which features massive rings of ice and dust.

ANSWER: Saturn

19. Although this painting features a crescent moon, it was waning gibbous above Saint-Remy when this painting was made. A church with a tall steeple sits in a village, and in the foreground there is a dark silhouette of a tree. For 10 points, name this painting by Vincent Van Gogh.

ANSWER: *The Starry Night*

20. This U.S. President put down the Whiskey Rebellion. As a general, he won battles at Yorktown and at Valley Forge, and he retired to Mount Vernon after his presidency. For 10 points, name this man who was painted crossing the Delaware River and was the first President of the United States.

ANSWER: George Washington

TB. This symbol is placed on the staff to show the location of G above middle C. Pianists use their right hand when playing notes shown after this musical symbol, the upper clef sign in the grand staff. For 10 points, name this symbol, which shows notes that are higher than the bass clef.

ANSWER: treble clef [accept G clef]

BONUSES

1. A micron is one millionth of this unit that measures distance. For 10 points each:

[10] This SI base unit of length is equal to a bit more than a yard.

ANSWER: **meter** [accept **metre** (although there should be no pronunciation difference)]

[10] Originally, the meter was defined as one ten-millionth of the distance from the North Pole to this line marking the circumference of the Earth.

ANSWER: the **Equator**

[10] In 1889, the meter became the distance between two lines marked on a bar made from iridium and this other metal with symbol Pt.

ANSWER: **platinum**

2. COMPUTATION: Melanie bought 3 bags of groceries from an odd store that charges by the bag and she needs to know how much money she spent. The first bag cost \$13.50, the 2nd bag cost \$6.75, and the 3rd bag cost \$9.30. For 10 points each:

[10] Assuming no tax, how much did she spend on groceries?

ANSWER: **\$29.55**

[10] If she paid with two \$20 bills, how much change did she receive?

ANSWER: **\$10.45**

[10] If she spends the same amount of money on groceries per week, how much can she expect to spend in three weeks?

ANSWER: **\$88.65**

3. For 10 points each, answer these questions about Peter Pan.

[10] Peter visits this family in Bloomsbury, listening to the bedtime stories told to Wendy, John and Michael.

ANSWER: the **Darlings**

[10] While at the Darlings, Peter loses this part of himself, which Wendy succeeds in reattaching.

ANSWER: his **shadow**

[10] Villains in Neverland include Captain Hook and this other pirate, Hook's boatswain [*bo-sun*].

ANSWER: Mr. **Smee**

4. Since poll taxes are illegal, people must not be charged money to do this activity. For 10 points each:

[10] Name this activity which someone might do during an election at a polling station.

ANSWER: **voting** [accept equivalents such as **casting a ballot**]

[10] This amendment to the US Constitution lowered the voting age to 18 years old.

ANSWER: **26th** amendment

[10] If you are not going to be at your polling place on Election Day, you must request one of these kinds of ballots beforehand.

ANSWER: **absentee** ballot

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5. This city was formerly known as Edo until Emperor Meiji moved his government here. For 10 points each:

[10] Name this Asian capital city and most populous metropolitan area in the world.

ANSWER: **Tokyo**, Japan [accept answers including the country, but do not reveal]

[10] Tokyo is the capital city of this country, also home to Fukushima and Kyoto.

ANSWER: **Japan**

[10] About 60 miles from Tokyo on Honshu Island is this snowcapped peak, a volcano that last erupted in the early 1700s.

ANSWER: Mount **Fuji**

6. These animals are the only mammals capable of really flying. For 10 points each:

[10] These animals make up the order Chiroptera, which means “hand-wing.”

ANSWER: **bats**

[10] This highly destructive bat disease is caused by a fungus that tends to grow on the face of infected bats.

ANSWER: **white nose** syndrome

[10] Because megabats, or fruit bats, do not have to hunt, they lost the ability to perform this task related to sonar.

ANSWER: **echolocation**

7. For 10 points each, answer some questions about a famous explorer and his mission.

[10] This Portuguese explorer names a strait at the southern end of South America and some galaxies known as “clouds”.

ANSWER: Ferdinand **Magellan**

[10] Even though Magellan himself died, his expedition continued on. The sailors on board his ship the *Victoria* were the first to accomplish what task?

ANSWER: **circumnavigating** the globe [accept any answer that indicates making it **all the way around the world**]

[10] Magellan was killed in this set of islands off the coast of Asia. This country contains the island of Luzon.

ANSWER: the **Philippines**

8. This sculpture is sometimes called the Shrine of Democracy. For 10 points each:

[10] Name this South Dakota sculpture that shows four heads carved into a mountain.

ANSWER: **Mount Rushmore**

[10] Mount Rushmore was started by this sculptor who died in 1941, mid-sculpture.

ANSWER: Gutzon **Borglum**

[10] Borglum also worked on Stone Mountain, a monument to Robert E. Lee, Stonewall Jackson and Jefferson Davis in this U.S. state.

ANSWER: **Georgia**

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9. For 10 points each, name these things related to letters.

[10] This list of letters in a particular order was named for the first two letters of the Greek one.

ANSWER: alphabet

[10] Abjads and abugidas are like alphabets, but they do not include these kinds of letters such as a, e, i, o and u.

ANSWER: vowels

[10] Certain letters of the Hebrew alphabet appear on these toys you might see around Hanukkah.

ANSWER: dreidels

10. This baseball player has been called “the father of modern base-stealing.” For 10 points each:

[10] Name this baseball player who joined the Brooklyn Dodgers in 1947.

ANSWER: Jackie Robinson

[10] Robinson wore this number, the only one to be retired across all of Major League Baseball.

ANSWER: 42

[10] Robinson primarily played this position for the Dodgers and for the Kansas City Monarchs in the Negro leagues. On a baseball scorecard, this position is written as the number 4.

ANSWER: second baseman

11. These particles do not have a neutral overall electric charge. For 10 points each:

[10] Name these atoms in which the number of electrons and protons are different, making these atoms electrically charged.

ANSWER: ions [accept ionized particles/atoms]

[10] Ions are responsible for this phenomenon that causes beautiful, colorful light displays at the polar regions of Earth.

ANSWER: aurora borealis (or australis) [accept Northern (or Southern) Lights]

[10] This stream of particles from the sun is partially responsible for auroras and other geomagnetic storms.

ANSWER: solar wind

12. This god was punished by being tied to a rock and having a snake drip poison onto his face. For 10 points each:

[10] Name this father of the eight-legged horse Sleipnir and the wolf Fenrir, a Norse trickster god who convinced Hoder to use mistletoe to kill his brother Balder.

ANSWER: Loki

[10] The horse Sleipnir belongs to this chief Norse god, the husband of Frigg and father of Thor.

ANSWER: Odin

[10] Heimdall and Loki kill each other during this apocalyptic final battle in Norse mythology, sometimes called the “Twilight of the Gods”.

ANSWER: Ragnarok [or Götterdämmerung]

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13. The Trail of Tears led many Cherokee and other Native Americans to this state. For 10 points each:

[10] Name this state, much of which was known as “Indian Territory” until it became a state in 1907.

ANSWER: Oklahoma

[10] This Oklahoma city is home to the University of Oklahoma and the National Weather Center.

ANSWER: Norman

[10] The University of Oklahoma’s athletic teams have this nickname, which was given to people who settled in this state before it was officially opened up in 1889.

ANSWER: Sooners

14. According to tradition, the revelation of this religious text began in the cave Hira by the angel Gabriel. For 10 points each:

[10] Name this text which Gabriel ordered Mohammed to “recite”, the major holy book of Islam.

ANSWER: Qur’an

[10] The Qur’an is divided into 114 of these units that are arranged from longest to shortest.

ANSWER: Surahs

[10] The Qur’an is only recited in this language, the native tongue of Mohammed.

ANSWER: Arabic

15. Many of this author’s works were published in the First Folio. For 10 points each:

[10] Name this British author of *King Lear*, *Othello* and *Macbeth*.

ANSWER: William Shakespeare

[10] Shakespeare created this character, a Montague who falls in love with a Capulet named Juliet.

ANSWER: Romeo Montague

[10] Shakespeare apparently liked this season, the setting for a particular “night’s dream” and a kind of day he asks about being compared to.

ANSWER: summer [accept A Midsummer *Night’s Dream* or “Shall I compare thee to a summer’s day?”]

16. A famous patient named Henrietta Lacks was treated for cancer using a compound of this element. For 10 points each:

[10] Name this radioactive element that was also used to create glowing watch dials.

ANSWER: radium

[10] Radium was first discovered by this Polish and French scientist; she and her husband Pierre shared a 1903 Nobel Prize in Physics.

ANSWER: Marie Sklodowska Curie

[10] Pierre Curie discovered that above a certain temperature, these objects will no longer attract or repel one another.

ANSWER: ferromagnets

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17. Isaac Newton legendarily sat under a tree and was hit in the head by a falling one of these. For 10 points each:

[10] Name this fruit that comes in Gala, Fuji, Pink Lady and Red Delicious varieties.

ANSWER: apples

[10] This American folk legend is said to have walked around the US planting apple trees.

ANSWER: Johnny Appleseed

[10] This British computer scientist died after eating an apple poisoned with cyanide. He is the subject of the movie *The Imitation Game*.

ANSWER: Alan Turing

18. Consider a circle with a radius measuring 6 inches. For 10 points each:

[10] What is the length of the diameter of the circle?

ANSWER: 12 inches

[10] What is the term for the distance around the outside of the circle?

ANSWER: circumference

[10] To find the circumference, one would multiply the diameter by this number represented by a Greek letter. Its value is approximately 22/7 or 3.14.

ANSWER: pi

19. This president's first hundred days in office saw the creation of the FDIC. For 10 points each:

[10] Name this four-term president who also launched the Civilian Conservation Corps and Works Progress Administration.

ANSWER: Franklin Delano Roosevelt [or FDR; prompt on Roosevelt]

[10] The CCC and WPA were part of this package of programs designed to lift the country out of the Great Depression.

ANSWER: the New Deal

[10] Roosevelt had this disease that left him confined to a wheelchair. This disease's vaccine was developed by Jonas Salk a few years after Roosevelt's death.

ANSWER: poliomyelitis [accept infantile paralysis]

20. COMPUTATION: Consider a right triangle whose sides measure 6 inches, 8 inches, and 10 inches. For 10 points each:

[10] In inches, what is the perimeter of the triangle?

ANSWER: 24 inches

[10] In square inches, what is the area of the triangle?

ANSWER: 24 square inches

[10] Since the side measuring 10 inches is the longest side in the right triangle and is opposite the right angle, it is given what name contrasted with the legs of the triangle?

ANSWER: hypotenuse

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TB. This book's main character and his sister are the only ones who can hear a Christmas bell.
For 10 points each:

[10] Name this book which features a train that takes the main character to the North Pole.

ANSWER: *The **Polar Express***

[10] This other book by the same author warns Judy and Peter not to begin a board game if they don't intend to finish.

ANSWER: ***Jumanji***

[10] *The Polar Express* and *Jumanji* were both written and illustrated by this author.

ANSWER: Chris **van Allsburg**