

NMMS (Northmont Middle School)
Round Four

Packets by: David Jones, Emily Bingham, Kara Combs

1. The Centauromachy ensued at the wedding of a friend of this man, who tried to kidnap Helen of Troy and Persephone. In that pursuit, Heracles had to save this man from the Throne of Forgetfulness. This man's father committed suicide following his failure to change the color of his sail while on route to his kingdom. For 10 points, identify this king of Athens who killed the Minotaur.

ANSWER: Theseus

BONUS: Vowels are wild! For 10 points each, identify these chemical elements from their chemical symbols.

[10] Au is the symbol of what precious metal?

ANSWER: Gold

[10] U is the symbol of what radioactive element?

ANSWER: Uranium

[10] I is the symbol of what element whose radioactive form can be used to treat thyroid cancer?

ANSWER: Iodine

2. One poem by this author ends with the speaker addressing the reader with "I know you're on the inside . . . lookin' out." In another poem by this author, the speaker proclaims that "we shall walk with a walk that is measured and slow" to the title location. In addition to those poems that title this author's collections *A Light in the Attic* and *Where the Sidewalk Ends*, this author wrote about a Boy who takes apples and branches from the title character. For 10 points, what children's author wrote *The Giving Tree*?

ANSWER: Shel Silverstein

BONUS: Answer the following about animals in music. For 10 points each:

[10] Sergei Prokofiev attempted to introduce instruments to children in a composition named for *Peter and [what animal]*?

ANSWER: Wolf

[10] In Nikolai Rimsky-Korsakov's opera, *Tale of Tsar Sultan*, a violin chromatic sixteenth notes to symbolize the flight of what insect?

ANSWER: Bumblebee

[10] Jean Sibelius composed a tone poem about *[this animal]* of *Tuonela*. This bird titles the penultimate movement of Camille Saint-Saens's *Carnival of the Animals*.

ANSWER: Swan

3. This civilization's culture and society was recorded in the Florentine Codex. This civilization constructed "floating gardens" in their capital which was built on Lake Texcoco and was named Tenochtitlan. The mythology system of this civilization includes the gods Tezcatlipoca and Quetzalcoatl. For 10 points, Hernan Cortes defeated what Mexican civilization led by Montezuma II?

ANSWER: Aztecs

BONUS: Answer some questions about a series of books, for 10 points each:

[10] Jacob Portman discovers the title location of this novel after meeting one of its “peculiar” residents, Emma Bloom, who can conjure fire.

ANSWER: Miss Peregrine’s Home for Peculiar Children

[10] This author of *Miss Peregrine* originally intended for the book to be a collection of vintage photographs he had collected, but eventually developed a narrative to accompany the photos.

ANSWER: Ransom **Riggs**

[10] Jacob, Emma, and Miss Peregrine travel to London in search of the ymbryne Miss Wren, in this sequel to *Miss Peregrine’s Home for Peculiar Children*.

ANSWER: Hollow City

4. **One character on this show quit after just a week after suffering PTSD stemming from her time as a military interrogator. Cameron was eliminated from this show on the first episode of this season, and later lost the Battle Back competition to Cody in his attempt to return. Zingbot, slop, and veto competitions all appear on what CBS reality competition that is based on a George Orwell novel?**

ANSWER: Big Brother

BONUS: Answer the following about women in the Old Testament. For 10 points each:

[10] Deborah was the only female to serve in what position? The seventh book of the Bible is named for these figures who oversee legal hearings.

ANSWER: **Judge**

[10] The namesake of first book of the Old Testament to be named after a female, what woman takes care of her mother-in-law, Naomi, and later married Boaz?

ANSWER: **Ruth**

[10] This woman’s namesake book describes how she exposed Haman’s secret plot to kill Jews. This deed is celebrated during the Jewish holiday, Purim.

ANSWER: Esther

5. **The Perry Index is a catalog of these literary works, which include one about a character who gnaws through some ropes trapping the other title character. In one of these works, a competitor in a race is so far ahead of his rival that he decides to nap, only to wake up to his rival winning the race. Aesop wrote hundreds of what type of story, including “The Lion and the Mouse” and “The Tortoise and the Hare”?**

ANSWER: Aesop’s fables

BONUS: Answer the following about Shi Huangdi. For 10 points each:

[10] Shi Huangdi was the first man to unify what country during the Qin dynasty? This modern day country has its capital at Beijing.

ANSWER: **China**

[10] During Shi Huangdi’s rule, he built what Wonder of the Ancient World? Contrary to an urban legend, this structure is not visible from space.

ANSWER: Great Wall of China

[10] To protect himself in the afterlife, Shi Huangdi ordered the construction of what military force that was made from a clay-like substance and depicts members of his military?

ANSWER: Terracotta Army (Accept “Soldiers” “Warriors,” and descriptions)

6. **J. J. Thomson's model of these particles was said to resemble plum pudding and one of these particles is emitted during beta decay. Stoke's Law was used to calculate the fundamental charge of one of these particles in Robert Millikan's Oil Drop Experiment.** For 10 points, identify these subatomic particles that are found in an atom's nucleus and possess a negative charge.

ANSWER: Electrons

BONUS: This city was founded by two brothers, but one killed the other for criticizing the height of this city's walls. For 10 points each,

[10] Identify this city that may have been founded by Aeneas.

ANSWER: Rome

[10] One legend states that this figure was killed by his brother Romulus for criticizing the height of Rome's wall.

ANSWER: Remus

[10] Romulus ordered women from what tribe to be kidnapped in order to provide wives for the men of Rome?

ANSWER: Sabine

7. **Spartan forces were unable to participate in this battle due to the Karneia festival, while Greek forces at this battle were led by Miltiades. Callimachus was killed during this battle, after which Pheidippides ran 26.2 miles back to Athens to give a report of the victory.** For 10 points, what 490 BC battle during the Persian War lends its name to a lengthy race?

ANSWER: Battle of Marathon

BONUS: Given a description, identify the following bones of the human body for 10 points each:

[10] What is the medical name for the longest bone in the human body? It's also called the thigh bone.

ANSWER: Femur

[10] The femur is connected to the patella, which is more commonly known by what name?

ANSWER: Kneecap

[10] What bone connects the forearm to the shoulder? It's not the funny bone, but it does have a "funny" name.

ANSWER: Humerus

8. **This man's thigh is hurt when he wrestles with an angel, and he is tricked by Laban into working two seven-year terms in order to marry Leah and her sister Rachel.** This man's mother helps him trick his father into giving him his brother Esau's birthright. For 10 points, identify this younger son of Isaac who is the father of Joseph.

ANSWER: Jacob

BONUS: Identify these Western Hemisphere countries, for 10 points each.

[10] What country that was hit by a devastating earthquake in 2010 shares the island of Hispaniola with the Dominican Republic?

ANSWER: Haiti

[10] What South American nation controls the Falkland Islands and has its capital at Buenos Aires?

ANSWER: Argentina

[10] A namesake canal runs through what Central American nation that is sandwiched between Costa Rica and Colombia?

ANSWER: Panama

9. **This organ is targeted by the bacteria H. Pylori, and its upper section is called the “Fundus.” This organ includes the greater and lesser curvature and contains folds called rugae. This organ that is located below the diaphragm helps produce gastric acid to aid in digestion.** For 10 points, identify this organ that is involved in the second stage of digestion.

ANSWER: Stomach

BONUS: Identify the following cabinet positions. For 10 points each:

[10] What was the first cabinet position to be created? As of September 2017, this position is held by Rex Tillerson.

ANSWER: Secretary of State

[10] What cabinet position was established after the 9/11 attacks? It is currently held by Elaine Duke after John Kelly resigned to become Trump’s Chief of Staff.

ANSWER: Secretary of Homeland Security

[10] Jeff Sessions currently serves in what cabinet position that oversees legal affairs and law enforcement?

ANSWER: Attorney General

10. **One thinker from this country coined the phrase “Those who cannot remember the past are doomed to repeat it.” Another philosopher from this country wrote about the internal struggle, or “double consciousness” that minorities experience in his work *The Souls of Black Folk*. Another philosopher from this country wrote about “unalienable rights” that all people possess, including “Life, Liberty, and the Pursuit of Happiness” in the Declaration of Independence. George Santayana, W.E.B. DuBois, and Thomas Jefferson were philosophers from what country that values freedom and independence?**

ANSWER: the United States of America (accept America, the U.S., or other equivalents)

BONUS: This character solves such cases as the murder of Charles Baskerville and the mystery of the Red Headed League. For 10 points each:

[10] Name this fictional Englishman who lives at 221B Baker Street and has a bitter rivalry with Professor James Moriarty.

ANSWER: Sherlock Holmes

[10] In “The Final Problem,” Moriarty and Holmes fall to their deaths over Reichenbach Falls, but due to popular demand, what author who created Holmes revived him for “The Adventure of the Empty House?”

ANSWER: Sir Arthur Conan Doyle

[10] This doctor assists Holmes in solving cases and in writing his biography.

ANSWER: Dr. John Watson

11. **This element is extracted in the Frasch process when superheated water is pushed down a tube into the ground. This element is used in the vulcanization of rubber, and when combined with two hydrogen ions, it produces a rotten egg smell. Used in many model rockets, for 10 points, is what element with atomic number 16 and symbol, S?**

ANSWER: Sulfur

BONUS: This figure's prediction that Troy would fall was ignored. For 10 points each,
[10] Identify this figure from Greek myth who had the gift of prophecy, but a curse by which no one would ever believe her.

ANSWER: Cassandra

[10] Cassandra was given that curse by what Greek god of music?

ANSWER: Apollo

[10] Cassandra was awarded as a war prize to what husband of Clytemnestra and brother of Menelaus?

ANSWER: Agamemnon

12. **This object is the subject of a poem that says this object cries "Keep ancient land your storied pomp" with "silent lips." In that poem, this object is called the "Mother of Exiles" and lifts her "lamp beside the golden door!" This object asks countries to "give me your tired, your poor, your huddled masses yearning to breathe free."** Emma Lazarus's poem "The New Colossus" is inscribed on the base of what statue that greeted many immigrants at Ellis Island?

ANSWER: the Statue of Liberty (accept "The New Colossus" before read)

BONUS: This event was filmed by Abraham Zapruder. For 10 points each:

[10] What event, that took place during a motorcade through Dealey Plaza in Dallas, saw the death of the 35th US President?

ANSWER: Assassination of John Kennedy (Prompt on "killing," but do not accept or prompt on "Assassination of Bobby Kennedy")

[10] The assassination was carried out by what man who was later killed by nightclub owner, Jack Ruby?

ANSWER: Lee Harvey Oswald

[10] What man became President after the death of John F. Kennedy?

ANSWER: Lyndon B. Johnson (prompt on "Johnson" alone)

13. **This composer reworked the melody from his third symphony for a musical piece that celebrates the "Common Man". One work by this composer is dedicated to Abraham Lincoln while another work includes a "Hoe-Down." This composer dedicated one work to Martha Graham and that work features the Shaker hymn, "Simple Gifts."** For 10 points, what American composer created *Rodeo*, *Lincoln Portrait*, and *Appalachian Spring*?

ANSWER: Aaron Copland

BONUS: Answer the following questions about blood types. For 10 points each:

[10] Blood types are dependent upon what molecule in red blood cells that is capable of producing an immune response in organisms?

ANSWER: Antigens

[10] If you have "O-" [O negative], you considered to be a universal what, since you can give your blood to any other person?

ANSWER: Donor

[10] What blood type is considered to be the universal receiver?

ANSWER: AB Positive

14. After the Battle of Kalinga, Ashoka converted to this religion. The “Zen” branch of this religion is primarily practiced in Japan. The two primary branches of this religion are Theravada and Mahayana, and if practitioners of this religion follow the Eightfold path, they will obtain Nirvana. For 10 points, Siddhartha Gautama founded what religion that originated in India?

ANSWER: Buddhism

BONUS: One poem in this collection commands the title character to “rise up and hear the bells” even though he has “fallen cold and dead.” For 10 points each:

[10] That poem “O Captain! My Captain!” along with a poem dedicated to the same man, “When Lilacs Last in the Dooryard Bloomed,” were included in what 19th century poetry collection?

ANSWER: Leaves of Grass

[10] *Leaves of Grass* was written by what American poet, who also wrote “Song of Myself?”

ANSWER: Walt Whitman

[10] Both “O Captain! My Captain!” and “When Lilacs Last in the Dooryard Bloomed” were dedicated to what president who was assassinated days after the Confederate army surrendered in the Civil War?

ANSWER: Abraham Lincoln

15. This man stated that “injustice anywhere is a threat to justice everywhere” in his *Letter from Birmingham Jail* which is featured on his memorial in Washington D.C. This man was planning to attend a Sanitation Worker’s protest in Memphis, Tennessee where he was assassinated by James Earl Ray. For 10 points, Coretta Scott was the wife of what Civil Rights leader who gave the “I have a Dream” speech?

ANSWER: Martin Luther King Jr.

BONUS: Identify the following male and female voice types, for 10 points each:

[10] C four, or middle C, to C six, is the average range for what voice type, the highest range for females?

ANSWER: Soprano

[10] What is the lowest male vocal range? A “double” one names the lowest instrument in the string family.

ANSWER: Bass

[10] What male vocal range can normally reach F two to F four and is the range above the bass?

ANSWER: Baritone

16. According to the no-hair theorem, these objects have only three observable properties, mass, charge, and angular momentum. The size of these objects are given by the Schwarzschild radius. A gravitational singularity is found at the center of these interstellar objects which are also bounded by the event horizon. For 10 points, from what astronomical objects can light not escape?

ANSWER: Black Holes

BONUS: For 10 points each, answer the following about zeros in math.

[10] In binary, each number is represented with a series of zeros and what other digit?

ANSWER: one

[10] When an equation is said to have zeros, it means that there are roots where the equation meets which axis on a graph?

ANSWER: x-axis (accept "**horizontal** axis")

[10] A hidden zero actually appears at the start of what mathematical sequence that begins 1, 1, 2, 3, 5 and sees each additional number being the sum of the previous two?

ANSWER: Fibonacci Sequence

17. One author from this country wrote a novel in which Natasha's eventual husband Pierre Bezukhov attempts to assassinate Napoleon during his invasion of this country. In another novel by an author from this country, Sonya convinces the protagonist to confess to his murder of a pawnbroker and her sister. The author of *War and Peace*, Leo Tolstoy, and the author of *Crime and Punishment*, Fyodor Dostoevsky, were from what European country?

ANSWER: Russia

BONUS: Answer the following about the Presidential election of 1800. For 10 points each:

[10] What author of the Declaration of Independence won the election and became our third president?

ANSWER: Thomas Jefferson

[10] To win the election, Jefferson defeated what incumbent president?

ANSWER: John Adams (Do not accept "John Quincy Adams")

[10] Due to a tie between Jefferson and his running mate, Aaron Burr, what larger body within the US Congress decided the election?

ANSWER: House of Representatives

18. Mormons can choose to undergo this process in place of the dead, while some who are waiting to undergo this process are called catechumens. Belief that acceptance of Christ must precede this process is the basis of one denomination from which spawned the Amish and Mennonites. For 10 points, identify this process often involving water in which people become Christians.

ANSWER: Baptism

BONUS: Answer the following about earthquakes. For 10 points each:

[10] The strength of an earthquake is measured on what scientific scale?

ANSWER: Richter Scale

[10] Earthquake occurs due to movements in what "plates" that make up the Earth's lithosphere?

ANSWER: Tectonic Plates

[10] Tectonic plates move past one another in what type of fault? The San Andreas Fault is an example of one of these.

ANSWER: Strike-slip or Transform

19. During this war, Oliver Hazard Perry stated "We have met the enemy and they are ours," at the Battle of Lake Erie. The White House was burned during this war following the Battle of Bladensburg. Three weeks after the Treaty of Ghent was signed, Andrew Jackson was victorious at this war's Battle of New Orleans. For 10 points, "Mr. Madison's" War was the nickname of what war against the British that was fought about 30 years after the American Revolution?

ANSWER: War of 1812

BONUS: This character takes the Arkenstone from deep inside Lonely Mountain. For 10 points each:
[10] What character joins Thorin and Gandalf in their quest to retrieve the treasure of the dragon Smaug?

ANSWER: Bilbo Baggins

[10] Bilbo Baggins is the protagonist of this novel, named for the race of creatures that includes Bilbo.

ANSWER: *The Hobbit*

[10] This English author wrote *The Hobbit* and other novels set in Middle-earth, including *The Lord of the Rings*.

ANSWER: J. R. R. Tolkien

20. **The Jubilee River is a hydraulic channel constructed to take water from the left bank of this river. The Isle of Sheppey and the Isle of Dogs are located in this river that is the second longest in its country behind the Severn.** Flowing past Windsor Castle and under the Tower Bridge into the North Sea is, for 10 points, what river that flows through London?

ANSWER: Thames River

BONUS: For 10 points each, answer these questions about athletes who have been in the news in the summer of 2017.

[10] What tennis star won the 2017 Australian Open before taking the rest of the year off to give birth to her first child in September?

ANSWER: Serena Williams (prompt on "Williams" alone)

[10] What Cleveland Cavaliers player demanded a trade in August 2017 before being dealt to the Boston Celtics for three players and two draft picks?

ANSWER: Kyrie Irving

[10] In September, the Pittsburgh Steelers signed what longtime Cleveland Browns corner who was released by the team towards the end of training camp?

ANSWER: Joe Haden

TB: **One player of this instrument composed 24 *Caprices* and allegedly sold his soul to the Devil in exchange for his ability to play this instrument. That man, Niccolò Paganini played instrument, many of which are made by Stradivari.** For 10 points, Itzhak Perlman plays what stringed instrument, two of which are in a string quartet along with a cello and viola?

ANSWER: Violin