

# 2011 Collaborative Middle School Tournament

## Round 1

### Tossups

1. Cadmus once killed this deity's dragon and had to serve this deity for eight years, after which he married Harmonia, this deity's daughter. This deity was wounded by Diomedes (die-AHM- ee-dees) during the Trojan War when he appeared on the battlefield helping the Trojans. This deity's union with Aphrodite yielded Eros (AIR-ohs) and his attendants Phobos (FOE-bows) and Deimos (DAY-mows). For 10 points, which son of Zeus and Hera is the Greek god of war?

ANSWER: **Ares** [prompt on **Mars** until "Greek"]

2. One event in this country's history was a series of attacks on civilians and foreigners by the Videla Regime known as the Dirty War. Mossad carried out an operation to capture Adolf Eichmann (ike-MON) in this country. This country fought a war against Great Britain for control of the Falkland Islands. For 10 points, identify this country whose former leaders include Nestor Kirchner (kirk-NUR) and Juan Peron.

ANSWER: Republica **Argentina** [or **Argentine Republic**]

3. One book by this author features an adolescent girl with a Christian mother and a Jewish father who attempts a year-long independent study of people's beliefs while trying to deal with going through puberty. Another of her books features a five-year-old boy who names his myna bird Uncle Feather and constantly annoys his brother Peter. For 10 points, name this author of *Are You There God, It's Me, Margaret* and *Superfudge*.

ANSWER: Judy **Blume**

4. This nation owns the islands of Ushant and Corsica. Ethnic minorities in it include speakers of Alemannic (ah-leh-MAN-ic) German in Alsace, the Celtic-speaking (KELL-tick) Bretons, and, in the northern Pyrenees (PEER-eh-nees), the Basques (BASKS). It was divided into departments named after rivers including the Rhone, the Loire, and the Seine. For 10 points, what European nation has its capital at Paris?

ANSWER: **France** [or **French Republic**; or **République Française**]

5. Modifications of this process can use PEP carboxylase ("PEP" car-BOX-ill-ase) to fix a reactant normally fixed by RuBisCO (roo-BISS-ko) in this process's dark reactions. The light reactions of this process occur along the thylakoid ("THIGH"-luh-koyd) membrane. It takes place within the chloroplasts (KLOR-oh-plasts), which contain light-absorbing chlorophylls (KLOR-oh-fills). For 10 points, name this process by which organisms, often plants, use light energy to turn carbon dioxide and water into glucose.

ANSWER: **photosynthesis**

6. This composer wrote a Clarinet Concerto in A Major for Anton Stadler, and he also composed a flute and harp concerto. He composed twelve variations on a French song with identical melody to "Twinkle Twinkle Little Star." He failed to complete his *Requiem*. His forty-first and last symphony is nicknamed *Jupiter*. For 10 points, name this composer of *Eine Kleine Nachtmusik* ("EYE"-nuh KLYE-nuh "KNOCKED"- "music") and operas such as *The Magic Flute*.

ANSWER: Wolfgang Amadeus **Mozart**

7. Starburst types of these systems have unusually high supplies of gas, and they can combine in a process known as cannibalism. The "tuning fork diagram" is a graphic depiction of the Hubble classification scheme for these systems, which divides them into irregular, elliptical and spiral types. M31 is the Andromeda one. For 10 points, name these regions of the universe that include the Milky Way.

ANSWER: **galaxies** [or **galaxy**]

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8. The protagonist of this novel suffers a head wound when asking for news from a retreating column. His friend Wilson cares for that head wound after his return to camp, a kindness the protagonist had not shown for the “Tattered Man” and Jim Conklin after they earned the titular mark. For 10 points, identify this novel that follows Henry Fleming as he participates in the Civil War, a work by Stephen Crane.

ANSWER: *The **Red Badge of Courage***

9. This person served as field marshal in an army he helped create following Manuel Quezon’s (man-WELL kay-ZONE’s) request. During his final command, he planned the amphibious assault at Inchon. Nearly a decade before that, he took command of American troops in the Pacific, but lost the Philippine Islands to the Japanese in 1942. For 10 points, name this American general who accepted the surrender of Japan in 1945 and vowed, “I shall return.”

ANSWER: Douglas **MacArthur**

10. A PowerPoint presentation released by this organization details how Bank of America plans to attack it. One portion of this organization is run by the Sunshine Press. In November 2010, a Fox News host called it a “terrorist organization” after it published U.S. State Department diplomatic cables. For 10 points, identify this organization whose main spokesperson, Julian Assange (AH-sange), was arrested in December 2010.

ANSWER: **WikiLeaks**

11. This phenomenon, described in Chapter 3 of Exodus, is an emblem of the Presbyterian (PREZ-bih-“TEAR”-ee-ihn) Church. That story describes how this phenomenon was found by a man tending his father-in-law Jethro’s flock on Mount Horeb. While investigating it, Moses was told to deliver the children of Israel out of slavery in Egypt. For 10 points, identify this phenomenon in which a certain plant was engulfed in fire without being consumed.

ANSWER: the **burning bush** [accept clear equivalents]

12. The rest type of this concept is described in special relativity. Its rotational analogue is rotational inertia. It equals energy divided by the square of the speed of light. On Earth, it is sometimes confused with weight, though it is measured not in pounds but in grams. For 10 points, name this quantity that represents the amount of matter in an object.

ANSWER: **mass** [prompt on **m**; accept **energy** before “inertia”]

13. When this athlete was the 2004 NBA Rookie of the Year, he became the youngest person ever to win that award. This player was criticized for 3-for-14 shooting in a Game 5 loss to the Boston Celtics in the 2010 playoffs and the owner of his former team, Dan Gilbert, published a letter after this player left in free agency. For 10 points, name this former Cleveland Cavalier who televised his decision to accept a contract with the Miami Heat.

ANSWER: LeBron Raymone **James**

14. This man’s son was baptized by Olaf Tryggvason (TRIG-vah-“sun”). This Norwegian native was exiled from Iceland and Oxney for committing multiple murders in both places. During his three years of exile, this man explored Greenland and found the first permanent colony there in 985. For 10 points, identify this Norseman and father of the explorer Leif Ericsson.

ANSWER: **Erik the Red** [or **Erik Thorvaldsson**; prompt on **Erik**]

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15. Fatty acids contain long chains of hydrogen and this element. Methane consists of four hydrogens bonded to this element. One form of this element in a cylindrical structure is the strongest known material, and is known as a namesake nanotube. Organic chemistry is the study of molecules containing this element. Its allotropes include diamond and graphite. For 10 points, name this element that makes up all living things.

ANSWER: **carbon** [or **C**; accept **carbon nanotubes** before “nanotube”]

16. In this author’s final novel, the illegitimate son Pavel Smerdyakov [SMARED-yak-ov] works as a servant in his father’s house; the title characters of that work are Dmitri, Ivan, and Alyosha. In another work by this author, Sofia Marmeladova moves to Siberia where Raskolnikov (rass-KOL-nik-ov) is imprisoned for killing a pawnbroker. For 10 points, name this Russian author of *The Brothers Karamazov* and *Crime and Punishment*.

ANSWER: Fyodor **Dostoyevsky**

17. Gaussian elimination can reduce these mathematical entities into row echelon form. Their addition is commutative, but generally, multiplication of them is not. The determinant can only be found in square ones; and in a two by two one, the determinant can be found using the formula  $ad-bc$ . For 10 points, name this term for a set of numbers arranged in a rectangular box usually offset by brackets.

ANSWER: **matrix** [or **matrices**]

18. This city, home to the War Memorial Opera House, has such suburbs as Daly City. In it can be found Russian Hill and Lake Merced as well as Nob Hill. This city’s district of Haight-Ashbury was a center of hippie culture. Its namesake body of water contains Treasure Island and Angel Island; across that bay lies Oakland. For 10 points, name this city at the south end of the Golden Gate Bridge.

ANSWER: **San Francisco**, California

19. One movement with this name involved painters like Aaron Douglas and Jacob Lawrence, who were influenced by African folk art. In addition to that “Harlem” movement, another period by this name flourished in the fifteenth and sixteenth centuries and was based on humanism and classical influences. Raphael and Leonardo da Vinci were part of, for 10 points, what period of art whose name is French for “rebirth”?

ANSWER: **Renaissance** [accept “**Harlem Renaissance**” until “Harlem”; accept variants such as “Early **Renaissance**” or “High **Renaissance**”]

20. This author wrote about the eviction of Nell Trent and her grandfather from *The Old Curiosity Shop*. In another work by this author, Abel Magwitch raises a fortune for the orphan Pip, who loves Estella. He also wrote about Sydney Carton sacrificing himself to save Charles Darnay in a work set in London and Paris. For 10 points, name this author who wrote *Great Expectations* and *A Tale of Two Cities*.

ANSWER: Charles **Dickens** [accept **Boz**]

Extra. This man’s associates included Red Hawley, Bud Kangley, and Shot Gunderson. His wife is variously given as either Carrie McIntie or Lucette Kensack. One of this man’s pets, Benny, died after swallowing a stove that had been used to make oversized pancakes. On a detour from Fargo to Seattle, this man created the Grand Canyon. For 10 points, Babe the Big Blue Ox accompanied what giant lumberjack of American folklore?

ANSWER: Paul **Bunyan**

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### Bonuses

1. The title character of this story inquires about Nicholas Vedder and sees a portrait of George Washington. For 10 points each:

[10] Name this short story in which the title character sleeps for twenty years in the Catskill Mountains.

ANSWER: “**Rip van Winkle**”

[10] This author wrote “Rip van Winkle” and “The Legend of Sleepy Hollow,” both of which can be found in the collection *The Sketchbook of Geoffrey Crayon*.

ANSWER: Washington **Irving**

[10] This protagonist of “The Legend of Sleepy Hollow” disappears after being chased by the Headless Horseman, letting Brom Bones marry Katrina Van Tassel.

ANSWER: **Ichabod Crane** [accept either name]

2. For 10 points each, name the amendment to the U.S. Constitution that...

[10] Protects against loss of “life, liberty, or property, without the due process of law,” and establishes eminent domain.

ANSWER: **5th** Amendment to the U.S. Constitution

[10] Extends the guarantee of due process and equal protection to all persons, and grants citizenship to “all persons born... in the United States.”

ANSWER: **14th** Amendment to the U.S. Constitution

[10] Requires warrants to be judicially sanctioned and to “describ[e] the place... and the persons” involved, thereby protecting against “unreasonable searches and seizures.”

ANSWER: **4th** Amendment to the U.S. Constitution

3. The only one of these blood vessels that carries deoxygenated blood is the pulmonary one. For 10 points each:

[10] Name these blood vessels that carry blood away from the heart.

ANSWER: **arteries** [or **artery**]

[10] This largest artery in the body receives blood directly from the left ventricle.

ANSWER: **aorta**

[10] This adjective describes the arteries that supply oxygen to the heart muscle itself.

ANSWER: **coronary** [or **coronary** arteries; or **coronaries**]

4. The legend of this King is due in part to the writings of Geoffrey of Monmouth. For 10 points each:

[10] This son of Uther (OO-thur) Pendragon was given Excalibur by the Lady in the Lake.

ANSWER: King **Arthur**

[10] This knight of Arthur’s Round Table supposedly had an affair with Arthur’s wife Guinevere.

ANSWER: Sir **Lancelot**

[10] This character, often considered the son of Arthur and his half-sister Morgause, fights and fatally wounds Arthur at the Battle of Camlann.

ANSWER: **Mordred**

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5. Its first leader was Trygve Lie (TRIG-vee LEE) and recent leaders have included Kofi Annan. For 10 points each:

[10] Identify this organization currently headed by Ban Ki-moon which has 192 member nations.

ANSWER: United Nations Organization

[10] Fifteen member nations, including five permanent ones, belong to this group charged with maintaining international peace and security.

ANSWER: United Nations Security Council

[10] This U.N.-associated organization, currently headed by Tony Lake, provides educational supplies and other services around the world.

ANSWER: United Nations Children's Fund [or UNICEF]

6. These conic sections have eccentricity between zero and one. For 10 points each:

[10] Name these oval-shaped figures, defined as the set of points the *sum* of whose distance from two particular points is a constant.

ANSWER: ellipses [or ellipsoids]

[10] This is the term for those points the sum of the distances from which is constant for an ellipse's points.

ANSWER: foci [or focuses]

[10] This special case of an ellipse has the two foci in the same place, meaning that it is the set of all points equidistant from one given point in two dimensions.

ANSWER: circles

7. This artist cut off his own ear after a fight with his roommate, Paul Gauguin. For 10 points each:

[10] Name this Dutch artist who lived in Arles (ARL) and painted *The Night Cafe* and *The Potato Eaters*.

ANSWER: Vincent van Gogh

[10] This painting by Van Gogh shows a yellow moon, a tree that looks like a flame, and a swirling blue sky hanging over a sleep village.

ANSWER: Starry Night [or De sterrennacht]

[10] Van Gogh made many paintings these flowers sitting in a vase, often drooping or wilting. In the paintings, they are colored orange, brown, and yellow.

ANSWER: sunflowers

8. For 10 points each, identify these politicians who were powerful during the 1990's.

[10] This man served as Vice President for eight years before narrowly losing the 2000 presidential election.

ANSWER: Albert "Al" Gore, Jr.

[10] This Kansas native served as Senate Minority Leader and Senate Majority Leader in the 1990's before he stepped down during an unsuccessful 1996 presidential campaign.

ANSWER: Robert "Bob" Dole

[10] This Georgia Republican served as Speaker of the House from 1995 to 1999 and was a co-writer of the Contract with America.

ANSWER: Newton "Newt" Gingrich

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9. The author of this religious text claimed it was originally engraved in reformed Egyptian. For 10 points each:

[10] Identify this work “taken from the plates of Nephi (neh-FEE)” that describes Lehi’s journey to the Americas.

ANSWER: Book of **Mormon**

[10] This man claimed to translate the Book of Mormon from reformed Egyptian into English.

ANSWER: Joseph **Smith**

[10] Smith claimed that he received the Book of Mormon on golden plates from this angel that wrote the Book of Mormon’s last section.

ANSWER: **Moroni**

10. In this work, God sends Raphael to the Garden of Eden to talk with Adam and Eve. For 10 points each:

[10] Name this epic poem in which Adam and Eve disobey God and are led out of the Garden of Eden by the archangel Michael.

ANSWER: **Paradise Lost**

[10] This author wrote “On His Blindness” and “Samson Agonistes” in addition to *Paradise Lost*.

ANSWER: John **Milton**

[10] This character begins *Paradise Lost* chained to a lake of fire but escapes to build Pandemonium and tempt Eve in the form of a serpent.

ANSWER: **Satan** [accept **Lucifer**; prompt on the **devil**; do not accept or prompt on any other common names of the devil]

11. For 10 points each, identify these units named after people.

[10] This temperature unit can be converted to degrees Celsius using addition only. Absolute zero is a measurement of zero on this scale.

ANSWER: **Kelvin** [accept **Kelvins**, though it does not take a plural; prompt on **K**]

[10] This unit, named after a scientist who improved steam engines and first used the unit horsepower, is the unit of power in the SI system.

ANSWER: **watts** [prompt on **W**]

[10] This unit, named after the person who developed the Universal Law of Gravitation and co-discovered calculus, is the unit of force in the SI system.

ANSWER: **Newtons** [prompt on **N**]

12. He defeated the Roman consuls Paulus and Varro at the Battle of Cannae. For 10 points each:

[10] Name this general that lost to Scipio Africanus Major at the Battle of Zama. He legendarily crossed the Alps with the war elephants he loved to use in battle.

ANSWER: **Hannibal** Barca

[10] Hannibal was a general from this city that was founded as a Phoenician colony by Queen Dido.

ANSWER: **Carthage** [or **Carthago**]

[10] Carthage engaged in these three wars against Rome. Hannibal led Carthaginian troops in the second of these wars and Rome destroyed Carthage after the third of these wars.

ANSWER: **Punic** Wars

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13. This Beatles album features the songs “Come Together,” “Here Comes the Sun,” and “Something.” For 10 points each:

[10] Name this album whose cover shows the Beatles crossing the street this album is named after.

ANSWER: **Abbey Road**

[10] The album after *Abbey Road* was named for this song, which has a chorus featuring a phrase said when “Mother Mary comes to me, speaking words of wisdom.”

ANSWER: “**Let It Be**”

[10] This Beatle wrote “Let It Be,” though like most Beatle songs it was credited to both him and John Lennon.

ANSWER: Paul **McCartney**

14. This is a computation bonus. There are three red marbles and three blue marbles in a container. For 10 points each:

[10] If you deliberately pick out one of the red marbles and then choose the next one at random, what is the probability that the marble chosen randomly will be red?

ANSWER: **2/5** [or **0.4**; or **40%**]

[10] If you pick out two marbles from the original six at the same time, what is the probability that they will both be red?

ANSWER: **1/5** [or **0.2** or **20%**]

[10] If you pick a marble randomly, put it back in, and then pick another marble randomly, what is the probability that both marbles will be red?

ANSWER: **1/4** [or **0.25** or **25%**]

15. In one play, this man’s daughter Antigone (ann-TIH-go-nee) clashes with Creon over the burial of Polynices (pah-lee-NYE-keez). For 10 points each:

[10] Name this character who blinds himself after Tiresias (tye-REE-see-us) reveals he killed his father Laius (LYE-us) and married his mother Jocasta.

ANSWER: King **Oedipus** [EH-deh-pus] [or **Oedipus Rex**; or **Oedipus the King**]

[10] This Greek playwright wrote the Theban cycle, which includes *Oedipus Rex*, *Oedipus at Colonnus*, and *Antigone*.

ANSWER: **Sophocles**

[10] This creature plagues Thebes (THEEBS), but throws herself off a cliff after Oedipus correctly gives “man” as the answer to her riddle.

ANSWER: the **Sphinx**

16. One of these groups is known as the Beehive, while another is the Northern Cross. For 10 points each:

[10] Name these groups of stars that are not constellations, often instead being parts of them.

ANSWER: **asterisms**

[10] The “handle” of this asterism comprises the tail of *Ursa Major*.

ANSWER: **Big Dipper** [or **Plough**; or **Drinking Gourd**; or Charles’ **Wain**]

[10] The two stars in the Big Dipper’s “bowl” on the opposite side of the “handle” point to this star in *Ursa Minor*.

ANSWER: **Polaris** [prompt on **North Star**]

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17. For 10 points each, name these Pacific islands.

[10] Papeete, the capital of French Polynesia, is located on this largest of the Society Islands. It was visited by Captain Cook in 1769.

ANSWER: **Tahiti**

[10] The volcanoes of Mauna Kea and Mauna Loa are on this “Big Island,” which shares its name with the fiftieth U.S. state.

ANSWER: **Hawai’i**

[10] Giant stone statues called moai (moh-EYE) are found on this island, named after a holiday by Dutch navigator Jacob Roggeveen (rah-GUH-veen) in 1722.

ANSWER: **Easter** Island [or **Rapa Nui**; or Isla de **Pascua**]

18. This character first appeared in “The Little White Bird” by J.M. Barrie. For 10 points each:

[10] Name this character who spends time on Neverland, known as the boy who wouldn’t grow up.

ANSWER: **Peter Pan** [accept either or both underlined parts]

[10] Peter spends his time with this group that includes Tootles, Nibs, Slightly, and Curly, all of whom fell out of their prams.

ANSWER: The **Lost Boys**

[10] This family includes the boys John and Michael and their sister Wendy, who like Peter Pan does not want to grow up.

ANSWER: **Darlings**

19. This king first swore allegiance to Edward Longshanks of England in 1296. For 10 points each:

[10] Name this king who eventually won his country’s independence from England in 1327.

ANSWER: Robert the **Bruce** [or **Robert I**; prompt on **Robert**]

[10] In 1306, Robert the Bruce was crowned the first king of this country, which shares the island of Great Britain with England.

ANSWER: **Scotland**

[10] This hero in the struggle for Scottish independence led an insurgent campaign against English occupation, but was betrayed to the English by John de Menteith (men-TEETH).

ANSWER: Sir William **Wallace**

20. This opera features Clara singing “Summertime.” For 10 points each:

[10] Name this 1935 musical set on Catfish Row, which includes the song “It Ain’t Necessarily So,” sung by Sportin’ Life.

ANSWER: **Porgy and Bess**

[10] The music for *Porgy and Bess* was composed by this American composer of *Rhapsody in Blue*, whose brother Ira assisted with the lyrics.

ANSWER: George **Gershwin** [or Jacob **Gershowitz**]

[10] In the opening of Gershwin’s *Rhapsody in Blue*, this single reed instrument plays a glissando.

ANSWER: **clarinet**

Extra. For 10 points each, name these apostles.

[10] Along with his brother Simon Peter, this fisherman was the first apostle to be called by Jesus. He is now the patron saint of Scotland.

ANSWER: Saint **Andrew** [accept **Andreas** and other language variants]

[10] This apostle asked Christ, “How can we know the way?” at the Last Supper. He is best-known for requesting proof of Christ’s Resurrection.

ANSWER: Saint **Thomas** [accept **Didymus**; accept Doubting **Thomas**]

[10] This treasurer of the apostles betrayed Jesus for 30 pieces of silver.

ANSWER: **Judas** Iscariot