

Froshmore HFA and Literature

Round Two

Read only for Round Two

Officials Checklist and reminders:

- 1.) Review this checklist and reminders document and the rules flow chart. _____
- 2.) Pencils and fresh scratch paper for each participant _____
- 3.) Timer instructions _____
- 4.) Identify the head coach for each team. _____
- 5.) Identify the team captain. _____
- 6.) Review the pumpernickel rule _____

Accept only the answer to the bonus question that comes from the captain.

The captain may defer to another team member to give the answer to the bonus question.

If you want them to indicate a deferral in a specific way – tell them at the beginning of the match. “If you are going to defer on a bonus question, please do so by”

Coaches may use an ipad or table to keep score (I've sent out an excel score sheet) They may not use their ipad, phone or other technology to look up answers, send or received text messages or emails or to make calls during competition.

Before you begin, remind students that on a toss-up question they must buzz-in and be recognized before giving the answer and that they may NOT confer on a toss-up. You may only confer on a bonus question.”

When you read a toss-up question – identify the subject, then read the question.

If the team member buzzes-in before the question is completed and the answer is incorrect, say ‘incorrect, I will finish the question’ then finish reading the question.

If you have finished reading the question when the first team buzzes-in and gives an incorrect response say ‘incorrect,’ look at the second team call them by team name and say ‘_____ I have finished the question’

If the time has expired, their response should be to immediately buzz-in to be recognized. If there is still time (5 seconds for a regular question 15 on a math computation) they have the remaining time to buzz. If the toss-up question is not answered correctly by either team, give the correct answer. Do NOT read the bonus question, go on to the next toss-up. **If you need a replacement question for this subject, you may use the unused bonus.**

The first time you read a bonus question for each team say ‘Here is your bonus question, you do not need to buzz-in. Remember you may confer on this question, and I will take the answer from the team captain.’

There is NOT a penalty for buzzing during a bonus question.

When the time for conferring has expired (10 seconds – 15 on math or science computation) **call for the answer.** Say, ‘Captain?’ or ‘answer please’ (or something similar). If they do not give you an immediate answer say ‘time’ and give the correct answer.

There is no limit to the number of team members a team substitutes.

On a toss-up question, do not give the correct response until you have given both teams an opportunity to answer the question.

Leading articles such as "the," "an," and "a" are not required (e.g., Tale of Two Cities is an acceptable answer for The Tale of Two Cities). However, if an article is given, it must be the correct one.

Plural/Singular answers are acceptable unless otherwise delineated.

Last names are acceptable, except where there is more than one common person in the same field. Prompt for more information by saying – ‘more’ or ‘more specific’.

Questions requiring additional computation time (15 seconds) have computation in the subject line - MATH COMPUTATION: or SCIENCE COMPUTATION: or BONUS

COMPUTATION: (If it needs it and we forgot it, add it!)

Math or Science questions that do not require computation and receive regular question time (5 for toss-up and 10 for bonus) do not have computation in the subject line - MATH: or SCIENCE: or BONUS

Explain the addition of the word Computation to the timer and the team at the beginning of the tournament. After the first question containing COMPUTATION: You may choose to say only Computation if you wish.

Give your stall count before the game starts. A stall count is the amount of time allowed for the student to begin their answer once you've called on them. "My stall count is _ _ _." Fill in the blanks with your count. Do you count 1, 2, stall? 1, 2, 3, stall? Do you say stall on the upbeat of the 3rd second or the downbeat? My preference is you count 1(1001), 2(1002), 3(1003) with stall being called on the downbeat of 3. (Down beat being the end of the 1003 with 100stall. You do not have to say the 1000 or the second 1, 2 or 3 out loud. You do need to make some type of physical indication - head nod, hand count (like a basketball referee counting the backcourt) even a foot tap. But do something so the student can see the seconds slipping away. This also helps with consistency. Neither team can say the other team received more time before a stall was called. When an immediate answer is expected 1 second is adequate time to allow before a stall is called.

"Welcome to Round Two of the tournament. I am _____, your moderator. (if you have a judge, timer and scorekeeper, introduce them as well) Our two teams are _____ and _____. Head coaches, will you please stand. A protest may be lodged only by the head coach." (run a buzzer check) "Students, remember, you may not give an answer until you are recognized. If you do so, it will be ruled as an incorrect response, even if your answer is correct. Explain the timing for Math or Science Computation: (see instructions) Good sportsmanship is expected from **all** players, substitutes, coaches, spectators and parents. Except for using the excel spreadsheet to keep score, you may not use computers, smart phones, iPad, etc. during the competition. Turn off all and put away all electronics at this time. Remember a player will be removed for the remainder of the game if any device is found at the table. (pause) Are there any questions? Let's begin."

- _____ 1. HUMANITIES: This Native American tribe's katsina rites include the "Snake Dance." This tribe's language was studied by Benjamin Lee Whorf for its unusual understanding of * time. What is this Native American tribe, primarily located in Arizona?

ANSWER: **Hopi**

- BONUS BONUS: The traditional Hopi board game Tukvnawopi is similar to what board game also known as draughts?

ANSWER: **Checkers**

- _____ 2. MATH: Set A and Set B are disjoint sets. What is the intersection of Set A and Set B?

ANSWER: **Empty Set**

- BONUS BONUS: Set C has seven elements; Set D has twelve elements; the Union of Sets C and D has fifteen elements. How many elements are in the intersection of Sets C and D?

ANSWER: **Four**

- _____ 3. FINE ARTS: This man's first opera was his *Ottone in Villa*. Many of this man's compositions were created for the Ospedale della Pietà, an * orphanage. This man's most well-known work featured sections such as Spring and Summer. Who is this composer of *Four Seasons*?

ANSWER: (Antonio) **Vivaldi**

- BONUS BONUS: Vivaldi's *Four Seasons* is featured in what larger composition?

ANSWER: **Contest Between Harmony and Invention**

- _____ 4. SOCIAL STUDIES: This man's administration faced the Kronstadt Rebellion. This man, who authored the April Theses while on a train back to Russia developed the * New Economic Policy. Who was this Bolshevik leader, who was succeeded as Soviet Premier by Joseph Stalin?

ANSWER: (Vladimir Ilyich) **Lenin**

- BONUS BONUS: Stalin succeeded Lenin after winning a power struggle against what other Communist leader, who founded the Red Army and was later assassinated in Mexico?

ANSWER: (Leon) **Trotsky**

5. HUMANITIES: The 30 June Disaster occurred at one of these places. Another human crush at one of these places resulted in 97 deaths and is known as the * Hillsborough Disaster. Wembley and Lusail are examples of what places where teams like FC Barcelona and Manchester United play games?

ANSWER: **Soccer Stadiums** [prompt on Stadiums; accept Association Football Stadiums, but do NOT accept Football Stadiums]

- BONUS BONUS: Hillsborough Disaster memorials often include the singing of what Liverpool team song; a Rodgers and Hammerstein show tune which includes the line “Walk on with hope in your heart?”

ANSWER: **You'll Never Walk Alone**

6. SCIENCE COMPUTATION Martha is calculating the frequency, in hertz, of a pendulum that takes 4 seconds to swing from one side to the other.* Given that the frequency is equal to the inverse of the time it takes for one swing, what is the frequency of this pendulum in hertz?

ANSWER: 0.25 (hertz)

- BONUS BONUS SCIENCE Given that the speed of light is 3,000,000 meters per second, and that speed is equal to frequency times the wavelength, what is the wavelength of light, in meters, that has the same frequency as the pendulum Martha was looking at?

ANSWER: 12,000,000 (meters)

END OF FIRST QUARTER

*The score at the end of the first quarter is
Team one _____ Team two _____
Are there any questions?*

(pause and look at the coaches if there are no protests proceed)
"Coaches... you may substitute if you wish.

7. LITERATURE: The first book in this series takes place in a small, rainy town named Forks.* Published in 2005, it is a love story between Bella Swan and Edward Cullen. Name the vampire tale by Stephanie Meyer.

ANSWER: **Twilight**

- BONUS BONUS: What is the name of the second book in the *Twilight* series?

ANSWER: **New Moon**

8. MATH COMPUTATION: What is the supplement in degrees of an angle of 33.56 degrees?

ANSWER: **146.44** (degrees)

- BONUS BONUS COMPUTATION: Find the complement in radians of an angle of 5 PI over 13 radians.

ANSWER: **3 PI over 26** (radians)

- _____ 9. FINE ARTS: This composer dedicated his Opus 28 to violinist Pablo de Sarasate. This composer of *Samson and Delilah* and the tone poem “Danse Macabre” included * “The Swan,” in a musical suite. *The Carnival of Animals* is by what French composer?

ANSWER: (Camille) Saint-Saens

- BONUS BONUS: Saint-Saens’s “Danse Macabre” includes a section of woodwinds performing what song, originally a Gregorian Chant whose name is Latin for “Day of Wrath?”

ANSWER: Dies Irae [dee-ess ee-rae]

- _____ 10. SOCIAL STUDIES: This man was offered the position of dictator after the July Revolution. This man served as the president of the Estates-General after working to secure funds for the * American Revolution. Who is this “Hero of Two Worlds,” a French Revolutionary and aide-de-camp of George Washington?

ANSWER: (Marquis de) Lafayette

- BONUS BONUS: Lafayette was present at the Continental Army’s encampment at Valley Forge, which is in what modern US state?

ANSWER: Pennsylvania

- _____ 11. POP/CE: He rose to fame as a singer in a since-disbanded boy band.* He was found dead in Buenos Aires after falling from his hotel balcony. Name the man who was in the group One Direction.

ANSWER: Liam Payne

- BONUS BONUS: Which British music producer brought together One Direction on Britain’s X Factor talent show?

ANSWER: Simon Cowell

- _____ 12. SCIENCE This effect is largely caused by the Moon but is also influenced by the Sun.* What is the name of this regular rise and fall of sea levels caused by gravitational pull from space?

ANSWER: tide(s)

- BONUS BONUS SCIENCE Tides with the smallest difference between high and low tides, occurring when the Sun and Moon are at right angles, are called what?

ANSWER: Neap tides

END OF FIRST HALF

*The score at the end of the first half is
Team one _____ Team two _____*

Are there any questions?

(pause and look at the coaches if there are no protests proceed)

"Coaches... you may substitute if you wish.

- _____ 13. **HUMANITIES:** This ethnic group developed the board game Sahkku. Artistic tools are handcrafted from wood in this culture's Duodji practice. Brightly colored clothing called * Gakti is part of the traditional dress of what indigenous people of Scandinavia?

ANSWER: **Sami**

- BONUS BONUS: Many Sami people live in this region of Finland. What is this northernmost region of Finland, which is sometimes given as a residence for Santa Claus?

ANSWER: **Lapland**

- _____ 14. **LITERATURE:** This novel was originally published as two separate stories in *Analog magazine*.* It is set in the distant future in a feudal interstellar society. Name the science fiction novel that tells the story on young Paul Atreides, whose family accepts the stewardship of the planet Arrakis.

ANSWER: **Dune**

- BONUS BONUS: Who was the author of *Dune*?

ANSWER: **Frank Herbert**

- _____ 15. **MATH:** What is the name of a polygon with twelve sides?

ANSWER: **Dodecagon**

- BONUS BONUS: What is the common name of a hexahedron?

ANSWER: **Cube**

- _____ 16. **FINE ARTS:** An 1896 film featuring one of these vehicles allegedly caused people to flee the theater. One of these vehicles appears in the JMW Turner painting *Rain, Steam and Speed*. What are these vehicles, one of which appears in a fireplace in Magritte's *Time Transfixed*?

ANSWER: **Train** [accept Locomotive or obvious equivalents]

- BONUS BONUS: *The Arrival of the Train at a Station* was a film by what French brothers who developed the Cinematograph?

ANSWER: **Lumiere** (Brothers) [Auguste and Louis are their first names]

- _____ 17. **SOCIAL STUDIES:** This man edited the Ems Dispatch to encourage war with France. This man had earlier included the May Laws in an anti-Catholic campaign called the * Kulturkampf. Who is this German statesman, a leader of German unification known as the "Iron Chancellor?"

ANSWER: (Otto von) **Bismarck**

- BONUS BONUS: Bismarck was quoted as saying that the next great war would start with, "Some damned foolish thing in," what Peninsula in southeastern Europe?

ANSWER: **Balkan** (Peninsula) [or the Balkans]

- _____ 18. SCIENCE During this phase of the cell cycle a cell replicates its chromosomes so that it has two identical copies.* What is this phase of the cell cycle that occurs before G₂ and mitosis?

ANSWER: S Phase or Phase S or synthesis

- BONUS BONUS SCIENCE After DNA replication has occurred there is a protein that goes down each strand to determine if any incorrect substitutions were made. What is this protein?

ANSWER: p53

END OF THIRD QUARTER

*The score at the end of the third quarter is
Team one _____ Team two _____
Are there any questions?*

(pause and look at the coaches if there are no protests proceed)
"Coaches... you may substitute if you wish"

- _____ 19. LITERATURE: Professor Moriarty plays this role in the Sherlock Holmes series.* This character is often a villain. What is the name for the ultimate enemy of the protagonist that overshadows all the others in power or importance?

ANSWER: nemesis

- BONUS BONUS: Whereas nemeses are striving to destroy each other, what are two characters called who are striving after a shared goal and simply want to beat one another to it?

ANSWER: rivals

- _____ 20. MATH COMPUTATION: Find 16 to the $-\frac{3}{4}$ power. [sixteen to the negative three-fourths power]

ANSWER: 1/8

- BONUS BONUS COMPUTATION: Find negative five hundred twelve to the one-third power.

ANSWER: -8

- _____ 21. POP/CE: This high-end fashion designer is going to space.* The designer unveiled the spacesuits for NASA's crewed return to the Moon Name the Italian luxury fashion house founded in 1913.

ANSWER: Prada

- BONUS BONUS: Which upcoming NASA mission plans to put the first human on the Moon since 1972?

ANSWER: Artemis III

- _____ 22. SOCIAL STUDIES: One of these things in New York City in 1911 killed 141 people in the Asch Building. Another one of these things in London started at * Pudding Lane. What are these events, one of which was started by a cow kicking over a lantern in Chicago?

ANSWER: **Fire** [accept obvious equivalents; ask for “Less Specific” if they answer Wildfire]

- BONUS BONUS: What Roman Emperor legendarily fiddled during the Great Fire of Rome?

ANSWER: **Nero**

- _____ 23. HUMANITIES: Realized Eschatology is a belief that this event has already happened. An event of this type in Hinduism begins when Kalki, the final avatar of Vishnu, comes to Earth, while another event of this type begins with the * death of Baldr. Ragnarok and Armageddon are examples of what type of event?

ANSWER: **End of the World** [also accept Apocalypse; prompt on Armageddon before it is read; accept other obvious equivalents]

- BONUS BONUS: The prediction of the End of the World in Christianity appears in what final book of the New Testament?

ANSWER: (Book of) **Revelation** [do NOT accept Revelations; also accept Revelation of John]

- _____ 24. SCIENCE This was the last of the three subatomic particles to be identified in 1932.* What is the name of this subatomic particle that is a baryon with mass and composed of 2 down quarks and one up quark so it has no charge?

ANSWER: neutron

- BONUS BONUS SCIENCE James Chadwick is credited with identifying the neutron in atoms. Chadwick was a student of what other nuclear physicist who discovered that the nucleus of atoms was really small and positive?

ANSWER: Ernest **Rutherford**

END OF GAME

The score at the end of the game is

Team one _____

Team two _____

If there is a tie allow for substitution before you ask the tie-breaker questions. Read all 5 to determine the winner.

Tie Breakers

HUMANITIES: What Cynic philosopher entered the Academy holding a plucked chicken and said, “Behold Plato’s man!”

ANSWER: Diogenes (of Sinope)

FINE ARTS: The poem, “The New Colossus” by Emma Lazarus appears on what sculpture by Frederic Bartholdi?

ANSWER: Statue of Liberty [also accept Liberty Enlightening the World]

HUMANITIES: The Avesta is the primary holy book of what religion whose chief god is Ahura Mazda?

ANSWER: Zoroastrianism

FINE ARTS: What German composer wrote *The Well Tempered Clavier, Toccata and Fugue in D Minor*, and the *Brandenburg Concertos*?

ANSWER: (Johann Sebastian) Bach [also accept J.S. Bach; do NOT accept J.C. Bach]

HUMANITIES: This musical based on Greek is narrated by Hermes and tells the story of Orpheus and Eurydice.

ANSWER: Hadestown

***Are there any questions? (pause and look at the coaches if there are no protests proceed)
This ends the game. "***