Format and Procedures:

1. There will be two teams of 4 members each per round. A team may substitute players at the conclusion of a round only. Each round will consist of 40 questions or 15 minutes, whichever occurs first.

2. A reader in each room will announce the question.

3. A score keeper will be appointed from each team or will be supplied by the tournament.

4. Each team member has a buzzer in front of them. The buzzer will have a light attached. The light indicates who buzzed in first.

5. The reader reads the first question called the “Toss-UP Question” (10 Points).

6. The teams have 15 seconds to answer (electronically timed and projected on the screen in the room).

7. The first team to buzz in gets the opportunity to answer the question, but only after the reader has acknowledged the person who has buzzed in first. Each reader may acknowledge differently.

8. If the buzzing team answers correctly, they receive 10 points and are eligible for a “Bonus Question”.

9. The team answering the Bonus Question can confer together before answering. The Team Captain must respond before the time is called. The team will have 15 seconds to begin answering the question. If correct, the team is awarded 5 points. If incorrect, no points are awarded and the next Toss-Up question is read.
10. If neither team answers the Toss-up question correctly, the next Toss Question (10 Points) is read.

11. If a team buzzes in before the Toss Question is completely read the reader will stop reading and the team is expected to answer immediately when called upon.

12. If an incorrect answer is given on an interrupted question, the reader will re-read the entire question with all time allowances given.

13. The first answer spoken will be the answer that is considered. If the answer is in the form of a proper name, first and last name should be given such as John Kennedy, not Kennedy; unless the name given is enough to decide the correctness of the name, such as Napoleon.

14. No calculators, palm pilots (PDA), or cell phones are allowed. Before each round, the Reader will ask that pagers and phones be turned off. Scratch paper and pencils will be provided by the tournament but cannot be used to communicate with during a Toss-up Question.

15. Challenges are allowed only by the team captain and must be announced before the reading of the next question.

16. Team members may ask the team captain to challenge only if they are competing at the time.

17. Challenges will be recorded by the reader and decided by the Tournament Director at the end of each round, if the challenges affect the outcome of the game. If a challenge is made on a Toss-up Question, the related Bonus question will not be read until after the game, if necessary, and the reader will proceed with the next Toss-up Question.

18. In case of a tie score at the end of a round, a Toss-Up
Question will be read. The first team to correctly answer a Toss-Up Question will win the round. All times and protocols will apply.

19. Violation of rules (such as consulting after pressing the signal button on Toss-up questions or blurting out an answer before being recognized) will disqualify a team for that question and if it is a Toss-Up Question, the other team will be given the opportunity to answer it for full value (10 Points). If it occurs during a Bonus Question, no points are awarded and the next question is read.

20. Unsportsmanlike conduct of any kind will not be allowed and a team may be disqualified from the round and the opposing team will be declared the winner of the round. If unsportsmanlike behavior occurs outside of a competition room the team that commits the infraction may be suspended from the tournament.

Other rules of the Day:

1. Do not bring food or beverages from outside sources into ESU #3. If contestants do bring in food, they will be asked to return it to the vehicle they arrived in or to throw it away.
2. Please do not eat or drink in the competition rooms. When eating or drinking, please be careful and do not make a mess.
3. ESU #3 is a place of business. Quiet voices are expected and courtesy towards all individuals is expected.
4. ESU #3 places the responsibility of student behavior with the sponsoring school and coach.
5. Coaches have the responsibility of knowing where their students are and monitoring student behavior. Coaches are responsible for all team member behavior during the tournament.
6. Students are representatives of their school and should be positive role models.
7. All behavior expectations of the sponsoring school are in effect at ESU #3.
Millard Grade 3-4 Quiz Bowl - Practice

Round 1
2011
1. **Numbers**
What category of numbers meets these criteria?
- They are whole numbers.
- They are exactly one more than an even number.

odd numbers

2. **Economic History**
Name the economic system based on the ownership of workers by masters.

slavery

3. **Legume Treasures**
In "Jack and the Beanstalk," what treasure that Jack was stealing cried out "Master! Master!"?

harp

4. **Big Numbers**
How many zeroes are needed to write the decimal number ten trillion?

13

5. **Distance Measurement**
In one-half mile there are how many feet?

2640 feet

6. **Overtime**
Max works for a construction firm and earns $7.30 per hour. He gets time and a half for overtime. How much does he get per hour when he works overtime?

$10.95

7. **Tales**
What is the color of Paul Bunyan's ox?

blue

8. **Atmospheric Phenomena**
A visible mass of either minute water droplets or ice particles in the atmosphere is a ...

cloud

9. **Governmental Powers**
Legislative powers enable a government to make what?

laws

10. **Sailing Geography**
What sea do you cross when sailing from Venezuela to the West Indies?

Caribbean Sea
11. Temperature Comparisons
If today's high temperature in New Igloo, Alaska, was -7 degrees F while the high temperature at Volcano, Nevada was 117 degrees F, what is the difference between these two readings?

124 degrees F

12. Distance Conversions
Given there are about 1.61 kilometers in a mile, convert the 405-mile distance from Minneapolis to Chicago into kilometers.

652 kilometers

13. Noon
When is the Sun directly above the North Pole?

never

14. Daylight
On December 21st, the longest period of daylight occurs in which hemisphere?

Southern Hemisphere

15. Waterfalls
Niagara Falls are in what two countries?

USA, Canada

16. Measurements
How many inches are in 3.5 feet?

42 inches

17. Apples
All apples are shades of yellow, red, or ...

green

18. Professions
What was the profession of these people?

Hector Berlioz
Franz Liszt
Irving Berlin
Johann Strauss
Johannes Brahms
Felix Mendelssohn

composers

19. Fantasy Dances
Name the dance in "Alice in Wonderland" in which each dancer, with a lobster for a partner, goes through some steps and then heaves the lobsters far out to sea, swims after them, and returns to land with a new lobster.

Lobster Quadrille

20. Measurement
In ten yards there are how many inches?

360 inches
21. **Government**
The process by which voters choose a person for office is an ... 

22. **Multiplication**
What is the product of 24 and 136? 

23. **Meteorology**
A device consisting of material shaped into a cone and suspended on a pole is used mainly to indicate what characteristic of wind? 

24. **Color**
Mixing what two primary colors produces green? 

25. **U.S. Rivers**
What river runs 1450 miles from Rocky Mountain National Park in Colorado to the Gulf of California in Mexico? 

26. **Asterisks**
An asterisk has the shape of a ... 

27. **Refraction**
Sometimes after a rainstorm, sunlight is refracted, reflected, and refracted again in droplets of water. The resulting dispersion is called a ... 

28. **Moving Mountains**
Driven by winds, mountains of sand may bury everything in their path from rocks and fields to entire towns. Such piles of sand are called ... 

29. **Weather**
Any form of violent, severe weather is a ... 

30. **Colonial Inventions**
Benjamin Franklin wrote to a friend that he had become tired of carrying two pairs of spectacles, one for reading and the other for distance. What did he invent to eliminate this nuisance?
31. **Historical Math**
   In 1869, Central Pacific workers laid a record 10 miles of track in one day requiring the spiking of 24,000 crossties. How many crossties were laid per mile?

   2,400

32. **Deserts**
   What African desert is almost as large as the entire United States?

   Sahara

33. **Song Grammar**
   What conjunction meaning "for the reason that" is used repeatedly in the song, "We're Off to See the Wizard"?

   because

34. **Fictional Parties**
   Who hosts a tea party in a book by Lewis Carroll?

   Mad Hatter

35. **Perimeters**
   In feet, what is the perimeter of an octagon with 12-inch sides?

   8 feet

36. **Writing Conventions**
   What term means to begin writing a little way from the left margin at the beginning of paragraphs?

   indent

37. **Christmas Poetry**
   These are the first letters from the names of Santa's reindeer according to Clement Moore's poem, "A Visit from St. Nicholas." What letter is missing?

   D D P C C D B

38. **Art Equipment**
   Name the frame in the form of an upright tripod that supports an artist's canvas.

   easel

39. **Foods**
   What common material used in cooking can be produced by grinding the seeds of these plants?

   rye
   rice
   buckwheat
   wheat

   flour

40. **Lakes**
   What is the largest body of water in Utah?

   Great Salt Lake
Millard Grade 3-4 Quiz Bowl - Practice

Round 2
2011
1. **Ad Allusions**
   This ad by Mobil Oil was an allusion to what literary work?
   Follow Your Own Yellow Brick Road.

2. **States**
   On an alphabetical list, the last state whose name begins with "N" is...
   North Dakota

3. **Bird Eye Math**
   Vultures have about one million photoreceptors per square millimeter in their retinas, five times as many as humans. How many do humans have per square millimeter?
   200,000

4. **Colonial Professions**
   What did cobblers make during the colonial period?
   shoes

5. **Compasses**
   What direction on a compass is exactly opposite from northeast?
   southwest

6. **Young Animals**
   What word completes this couplet?
   A cow has a calf, but the calf of a mare is a foal, and a cub is the foal of a...
   bear

7. **Fence Math**
   What is the total length of a fence built with 10 poles placed 6.5 feet apart?
   58.5 feet

8. **The Flag**
   On the U.S. flag, there are seven red stripes and how many white stripes?
   six

9. **Provinces**
   Which province has these borders?
   Alberta
   Washington state
   Alaska
   Pacific Ocean
   British Columbia

10. **Homonyms**
    What word as a noun indicates one of the four natural divisions of the year but as a verb means to enhance the flavor of food by adding spices?
    season
11. Fantasies
This is from what story?
She did not think it so very much out of the ordinary to hear the Rabbit say to itself ‘Oh dear! Oh dear! I shall be too late!”

12. Time Conversion
How many minutes are in half of four and one-half hours?

13. Continents
Name the continent northeast of the South Atlantic, west of the Indian Ocean, and south of the Mediterranean.

14. Idioms
An idiom meaning "to reveal a secret" is to let what kind of animal out of the bag?

15. Snow
What is formed on a snowfield by the slight melting and refreezing of the surface snow?

16. Logic
What numbers on a single rolled die meet these conditions?
- the result is less than 4
- the result is odd

17. Dogs and Other Annoyances
The Smidleys have a gorgeous Samoyed that lives in their house. This only presents a problem about three weeks a year when the dog loses about ten full bags of hair. Such an annual hair loss is called ...

18. Literary Forms
A written account of Ronald and Nancy Reagan's life together as written by their daughter is what form of literature?

19. Circulation
Any major blood vessel that carries blood from the heart to other parts of the body is an ...

20. Organs
What organ is described as a muscular bag, open at both ends, and shaped like a fat letter "J"?
21. Lakes
Ontario, Huron, and Erie are three of the five Great Lakes. Name the others.

22. Parts of Speech
What is the third pronoun in this line?
The bone in his nose did not bother us so much as the bizarre vegetables he was tossing into our stew.

23. Machines
Spreading oil or grease between two surfaces that rub together is one way of reducing ...

24. Hearst
What word is missing twice in this statement by William Randolph Hearst?
Please realize that the first duty of newspapermen is to get the ---- and print the ----.

25. Snakes
The two largest groups of snakes are constrictors. Name either group.

26. Improper Fractions
Convert 4 3/5 into an improper fraction.

27. Astronomy
What term refers to the imaginary heavenly circle in which twelve major constellations lie?

28. Speed
What unit used at sea is based on an old method of measuring speed by which sailors counted the number of knots in a rope played out over the stern in a given time?

29. Special Rivers
Rivers of ice are called ...

30. Palindromes
What one-word palindrome indicates a visual organ?
31. **The Alphabet**
The name for which letter of the alphabet contains three syllables?

32. **Sets**
Identify the elements of the set of fractions with numerators of 1 and whose denominators are whole numbers between 1 and 5.

33. **Fanciful Poems**
According to Eugene Field, what tree and marvel of great renown blooms on the shore of the Lollypop Sea?

34. **Production Proportions**
If you can fabricate six doohickeys in two days, how many can you make in 9 days?

35. **Bird Stories**
Robert McCloskey's story that begins, "Mr. and Mrs. Mallard were looking for a place to live," is entitled "Make Way for ..."

36. **Bodily Tissues**
What tissue consists of sheets or bundles of cells capable of contracting and producing movement or tension?

37. **Geometry**
What could be defined as the number of square units that cover a geometric figure?

38. **Measurement Problems**
Subtract 7 feet 5 inches from 5 yards.

39. **Temperature Changes**
What was the original air temperature if a drop of 14 degrees brought the temperature to 74 degrees?

40. **Mixtures**
The mixture in a corral includes 1/3 goats and 2/3 sheep. What is the ratio of sheep to goats in the corral?
Millard Grade 3-4 Quiz Bowl - Practice

Round 3
2011
1. Punkin Chunkin
The world's distance record for a 10-pound pumpkin shot from an air cannon is 4086 feet or how many yards?

1362

2. Time Problems
What time is it if it is 120 minutes to 4?

2 o'clock

3. Money Math
Five nickels weigh about one ounce. What is the value of fifty pounds of nickels?

$200

4. Storms
What is another name for twisters?

tornadoes

5. Expressions
A situation that is deteriorating is going from bad to...

worse

6. Storms
The centers of what kind of storms are called eyes?

hurricanes

7. Working Watercraft
What relatively small boats with powerful engines are used for towing or pushing large ships and barges?

tugboats (tugs)

8. The Solar System
This line is about what heavenly bodies?
They are much smaller than the planets they orbit.

moons (satellites)

9. Forms of Literature
What kind of stories that have evolved around such characters as these?
Stormalong
Joe Magarac
Pecos Bill
Paul Bunyan

tall tales (legends, folk tales)

10. Cliches
What word ends these cliches?
tickled to ----
bored to ----
scared to ----

death
11. Number Sequences
What is the next number in this sequence?
10 7 4 1 ...

12. Cost Problems
What is the cost of 5 kilograms of used banana skins at $.02 per gram?

13. Matter
Matter may exist as a gas or in what other two states?

14. Pledge Verbs
What is the first verb in the Pledge of Allegiance?

15. Sports
What is carried in a quiver?

16. Poetry
What type of poem is this?
A tutor who tooted the flute
Tried to tutor two tooters to toot.
Said the two to the tutor,
"Is it harder to toot, or
To tutor two tooters to toot?"

17. Proofreading
What is the meaning of a proofreading symbol that looks like a backwards "P" with an extra vertical line?

18. Processes
Name the process by which exposed film is chemically treated to produce an image.

19. Creativity
What adverb completes this Silverstein ditty?
Draw a crazy picture,
Write a nutty poem,
Sing a mumble-gumble song,
Whistle through your comb.
Do a loony-goony dance
'Cross the kitchen floor,
Put something silly in the world
That ain't been there ...

20. The Revolution
The U.S. depended heavily on assistance from what nation to win the Revolutionary War?
21. The Celestial Sphere
Mel is standing at the North Pole. What star is at his zenith?

Polaris

22. Precipitation
During July in the Northern Hemisphere, the most common form of precipitation is ...

rain

23. Literary Forms
Many of the famous people whose achievements shaped the modern world wrote about their own lives and times. Such books are called ...

autobiographies

24. Forests
What is the largest river that flows through the world's largest tropical rain forest?

Amazon

25. Scientific Descriptions
What bird is described in this excerpt?
The body and part of the neck being of a dark brown, the upper part of the neck and head is covered with a white sort of down, whereby it looks very bald, whence it is so named.

bald eagle

26. Time Measures
How many years are in six and one-quarter decades?

62.5 (or 62 1/2)

27. Marsupials
Name the herbivorous marsupials of Australia with powerful hind legs and sturdy tails.

kangaroos

28. Iron
Any body that has the property of attracting iron functions as a ...

magnet

29. The Constitution
The Bill of Rights is a list of changes to the Constitution called ...

amendments

30. Insects
This insect is related to the grasshopper. It has a flat back, hard wing covers, and long antennae. The male has a roughened area on each wing cover by which it produces a chirp. Name this insect.

cricket
31. **Snakes**
Each time a diamondback sheds its skin, it gets a new...

32. **Reflexes**
What convulsive expulsion of air from the nose and mouth may send two to five thousand bacteria-filled droplets into the air?

33. **Zoology**
Amphibians that somewhat resemble lizards are called...

34. **Colonial America**
Of the colonies that joined to form the United States in 1776, how many were British?

35. **Literary Pachyderms**
Name Dr. Seuss' egg-hatching elephant.

36. **Christmas Tunes**
What is the next line that follows this one in the Christmas song?
   - He sees you when you're sleeping
   - He knows when you're awake

37. **State Initials**
You can spell the name of what animal with the first letters of the names of the continental U.S. states bordering the Pacific?

38. **Squaring Numbers**
Subtract the square of 20 from the square of 30.

39. **Parts of Speech**
What part of speech consists of words that connect and establish relationships between complete sentences or sentence elements?

40. **Time and Math**
How many hours are in five days?