

# Ultimate QuizBowl Guide

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# Chapter 1

## Introduction

So you've discovered the world of trivia. QuizBowl, High-Q, or whatever name it is called in your area can be great fun to play, and sometimes even casual teams can win if they employ the right strategies and have a little bit of luck. However, a team that wants to win consistently needs to take its preparation a little more seriously.

There are 12 broad categories in quizbowl:

- Current Events
- The Arts
- Geography
- History
- Literature
- Mythology
- Pop Culture
- Science
- Social Science
- Sports
- Theology and Philosophy
- Miscellaneous questions that don't belong in any of the other topics.

A general rule of thumb is that a team should consist of 4 players. Rather than trying to be a generalist at first, each player should pick 3 topics to become an expert in. While progress can be made by looking over lists and old questions, you can become a better player if you create your own lists. Memorizing lists will generally allow you to answer questions at the "giveaway" point in the question, but building detailed lists will allow you to answer questions during the "power" phase of the question. You can practice writing your own questions as well.

When building a team, keep in mind that there are 4 players, and thus the players on your team should pick complementary areas. For instance, if one player is interested in developing their ability to answer science questions, another player should work on history, while another learns about sports, and the final player studies literature. Don't build teams out of groups of your school's "best" players. Instead, build teams where the players' strengths work together synergistically.





# Chapter 2

## Current Events

### 2.1 Introduction to Current Events

The very nature of current events makes it extremely hard to write a section of a book on this. Studying for the current events means keeping up with the news. Whether it be online news sites like CNN's website, watching the news on TV or even reading the newspaper, you must do this every day to be well informed about current events.

This section will change quite frequently, and some of the current events section will undoubtedly be moved into the "history" section as time passes. For reference, this version of the Ultimate QuizBowl Guide was released on October 6, 2019.

### 2.2 Business

### 2.3 Politics

### 2.4 Science



# Chapter 3

## The Arts

### 3.1 Visual

#### 3.1.1 Architecture

#### 3.1.2 Sculpture

#### 3.1.3 Painting

#### 3.1.4 Other

### 3.2 Performing

#### 3.2.1 Plays

#### 3.2.2 Operas

#### 3.2.3 Music



# Chapter 4

## Geography

### 4.1 Continents

#### 4.1.1 Africa

#### 4.1.2 Antarctica

#### 4.1.3 Asia

#### 4.1.4 Australia and Oceania

#### 4.1.5 Europe

#### 4.1.6 North America

#### 4.1.7 South America

### 4.2 Oceans



# Chapter 5

## History

5.1 Ancient History

5.2 American History

5.3 European History

5.4 Religious History

5.5 World History





# Chapter 6

## Literature

### 6.1 American Literature

#### 6.1.1 Fiction

#### 6.1.2 Nonfiction

Silent Spring

#### 6.1.3 Poetry

### 6.2 European Literature

#### 6.2.1 Fiction

#### 6.2.2 Poetry

Shakespeare

### 6.3 Religious Literature

### 6.4 World Literature



# Chapter 7

## Mythology

7.1 Greek/Roman

7.2 Egyptian

7.3 Hawaiian/Polynesian

7.4 Norse

7.5 Mezoamerican

7.6 Indian/South Asian

7.7 Chinese/Japanese/East Asian

7.8 Arthurian



# Chapter 8

## Pop Culture

### 8.1 Pop Music

### 8.2 Entertainment

#### 8.2.1 Video Games

#### 8.2.2 Wrestling



# Chapter 9

## Science

### 9.1 Astronomy

#### 9.1.1 Astronomers

Galileo

Copernicus

Kepler

Cassini

Edmund Halley

Huyguens

Clyde Tombaugh

Kuiper

#### 9.1.2 Constellations

Zodiac

Other Constellations

#### 9.1.3 Cosmology

#### 9.1.4 Solar System

Planets

Dwarf Planets

Sol

Other Objects

Comets

Halley's Comet

Comet McNaught

Hale-Bopp

Shoemaker-Levi 9

Asteroids and Meteors

Interstellar Objects

NASA

Manned Missions

Mercury

Gemini

Apollo

Skylab

STS

ISS

SLS

Unmanned Missions



Russian Space Programs

Chinese Space Programs

9.1.5 Stars

9.1.6 Galaxies

9.1.7 Telescopes

## 9.2 Biology

9.2.1 Microbiology

Cells

Organelles

9.2.2 Macrobiology

Anatomy

Taxonomy

## 9.3 Chemistry

## 9.4 Computer Science

## 9.5 Earth Science

### 9.5.1 Geology

Geologic Time

Extinction Level Events

Vulcanology

Introduction to Vulcanology

Supervolcanoes

World Volcanoes

## Hawaiian Volcanoes

### Introduction to the Hawaiian Volcanoes -

The Hawaiian Volcanoes are due to a hot-spot underneath the pacific ocean which has formed the Emperor-Hawaiian Seamount Chain that stretches across the pacific to Japan and Siberia. The volcanoes are on two parallel lines (the Loa Line and the Kea line - the Loa line is south (lower)).

The major islands of Hawaii are:

- Hawaii
- Maui
- Kaho'olawe
- Lanai
- Molokai
- Oahu
- Kauai
- Ni'ihau

All of the Hawaiian islands were formed by volcanoes. Only Maui and the Big Island have volcanoes that could still erupt.

### Volcanoes on the Big Island:

- **Kilauea** - The youngest volcano. Most active on earth. Last erupted in 2018, devastating the lailani estates subdivision. Traditional home the the Goddess Pele in Hawaiian mythology.
- **Mauna Loa** - Largest volcano by mass in the world. Second Most active volcano in Hawaii. Last erupted in 1984, nearly destroying the city of Hilo (the largest city on the Big Island).
- **Mauna Kea** - Tallest volcano in the pacific. (Remember, Mauna Loa is Lower in elevation). Site involved in protests due to telescope contruction. Jason Momoa (aquaman actor) Staged his arrest during the protest.
- **Hualalai** - Smallest of the five volcanoes on the big island. Known for xenoliths (rock from the mantle brought up in lava flows). Last erupted in 1801. Kona Airport is built on the 1801 lava flow.
- **Kohala** - Oldest on the big island. Experienced a Magnetic Field Reversal. Experienced a huge landslide, fossils were deposited by a huge tsunami.

### Other Hawaiian Volcanoes

- Haleakalā - On the island of Maui. Still considered dormant. Last erupted in 1790.
- Lo'ihi Is the newest of the Hawaiian volcanoes and is still underwater. Will probably break the surface in 100,000 years or so.

**Kilauea** - Things to know about Kilauea:

- One of the most active Volcanoes on earth - often classified as the most active.
- Last Erupted 2018
- Semi-persistent Lava Lake at summit, disappeared in 2018.
- Erupted 1983-2018 at Pu'u 'O'o.
- Newest of the Hawaiian Volcanoes on the Big Island. (Lo'ihi<sup>̄</sup> is newer, but is still underwater.)
- Summit in Volcanoes National Park, near the town of Volcano.
- Traditional home of the goddess Pele.
- Located on the southeastern part of the Big Island on the Kea Line.

**2018 Eruption Facts:**

- Erupted in 2018 from fissures in the lower East Rift Zone.
- Fissure 8 became dominant, decimating the Lelani Estates subdivision.
- Lava from the eruption created a new black sand beach.

**Recent News:**

- A pool of water has formed where there used to be a lava lake.

**Random facts:**

- Mark Twain once got lost while hiking into Kilauea's Caldera.
- A man fell more than 70 feet into the caldera in May 2019. He was rescued by helicopter.
- Reading Rainbow filmed an episode on Kilauea.
- An eruption in 1790 killed at least 80 native Hawaiians.
- Franklin D Roosevelt was the first president to visit Kilauea.

**Mauna Loa** Things to know about Mauna Loa:

- Mauna Loa is the largest volcano by mass in the world.
- Mauna Loa is a very active volcano, second to Kilauea.
- There are atmospheric and Solar Observatories at the top of Mauna Loa. The Atmospheric Observatory was responsible for the discovery of the Keeling curve for Carbon Dioxide.
- Mauna Loa is 13 679 ft tall, only 300 feet less than Mauna Kea.
- Mauna Loa last erupted in 1984. The eruption nearly destroyed the town of Hilo.
- The summit and eastern flank of Mauna Loa are part of Hawaii Volcanoes National Park.

**Recent News:**

- Mauna Loa is currently (as of October 6, 2019) on Yellow alert for volcanic eruption.
- 

**Random Facts**

- Mauna Loa is one of the 16 Decade volcanoes in the world chosen for monitoring because of their destructive history and proximity to population.
- Coffee and Macadamian Nuts are grown on the slopes of Mauna Loa.

**Mauna Kea** Things to know about Mauna Kea:

- Mauna Kea means "White Mountain" for the snow that often falls on its summit.
- It is the tallest volcano on Earth, and the highest peak in the Pacific, and the highest Island Mountain in the world.
- Mauna Kea is known for its numerous cinder cones.
- Also known as "Mauna a Waikea" meaning "The mountain of Waikea"
- The summit is sacred to Hawaiians, as it is where the Heavens and the Earth meet.
- Mauna Kea last erupted about 4600 years ago.

**Recent News:**

- There are numerous telescopes near the summit of Mauna Kea, including Keck-1 and Keck-2. Gerard Kuiper began the telescope program.
- There have been ongoing protests to the building of the 30-meter telescope at the summit.
- Actor Jason Momoa (Aquaman Actor) staged his arrest as part of the ongoing protests.

**Random Facts:**

- There is a glacial lake near the summit of Mauna Kea called Lake Waiau.
- Glacier-quenched Basalt can be found at the top of the mountain, indicating that in the last ice age, there was a glacier that covered the summit. There is evidence of Early Hawaiians quarrying this harder, stronger, heavier rock.
- Measured from its base on the ocean floor, it is the tallest mountain in the world. Adding the sinking into the mantle of the Pacific plate, it is nearly 70,000 feet tall, making Mauna Kea comparable to the Olympus Mons volcano on Mars (the largest volcano in the solar system).
- The Mauna Kea Silversword is a plant that is only found on Mauna Kea (Another species of silversword is found on Haleakalā.) In 2003 there were only 41 plants in the wild. Conservation efforts have increased that number to nearly 8000, but the plant is still critically endangered.
- Mauna Kea was the home of Poli'ahu, deity of snow in Hawaiian mythology.
- The botanist David Douglas (for whom the Douglas Fir tree is named) died on Mauna Kea when he fell into a pit trap. He may have been murdered.

**Hualālai** Things to know about Hualālai:

- Hualālai is the third youngest (and third oldest), and third most active of the five volcanoes on the Big Island.
- Hualālai last erupted in 1801. Despite low levels of activity recently, it is still active and expected to erupt in the next century.
- Hualālai is the westernmost of the Big Island volcanoes.
- A major subfeature of Hualālai is Pu'u Wa'awa'a, Hawaiian for "many-furrowed hill", a volcanic cone standing 372 m (1,220 ft) tall and measuring over 1.6 km (1 mi) in diameter. The cone is made of Trachyte, a type of lava rock that exists nowhere else on the islands.
- The Kona Airport is built on a lava flow from Hualālai's 1801 eruption.
- Many resorts along the coast near Kona are built on historic Lava flows from Hualālai.

**Kohala** Things to know about Kohala:

- Kohala is the oldest of the 5 volcanoes on the Big Island.
- Waipi'o Valley is a large eroded area in Kohala.
- It is old enough to have experienced a Magnetic field reversal that is recorded in its rocks about 780000 years ago.
- King Kamehameha I, the first King of the Kingdom of Hawaii, was born in North Kohala, near Hawi.

**Hale'akala**

**Lo'ihī**

## 9.5.2 Forensic Science

## 9.5.3 Meteorology

## 9.5.4 Oceanography

# 9.6 Physics

## 9.6.1 Classical Physics

## 9.6.2 Thermodynamics

## 9.6.3 Modern Physics

### Modern Physics Principles

Atomic and Nuclear Physics

Famous Modern Physics Experiments



# Chapter 10

## Social Science

### 10.1 Economics

#### 10.1.1 Historical Economics

#### 10.1.2 Economists

### 10.2 Psychology

### 10.3 Sociology



# Chapter 11

## Sports

### 11.1 Professional

### 11.1.1 Baseball

#### 11.1.2 Teams

Team	Location	Mascot	Venue
Arizona Diamondbacks	Phoenix	D. Baxter the Bobcat	Chase Field
Atlanta Braves	Cumberland	Blooper	SunTrust Park
Baltimore Orioles			
Boston Red Sox			
Chicago White Sox			
Chicago Cubs			
Cincinnati Reds			
Cleveland Indians			
Colorado Rockies			
Detroit Tigers			
Houston Astros			
Kansas City Royals			
Los Angeles Angels			
Los Angeles Dodgers			
Miami Marlins			
Milwaukee Brewers			
Minnesota Twins			
New York Yankees			
New York Mets			
Oakland Athletics			
Philadelphia Phillies			
Pittsburgh Pirates			
San Diego Padres			
San Francisco Giants			
Seattle Mariners			
St. Louis Cardinals			
Tampa Bay Rays			
Texas Rangers			
Toronto Blue Jays			
Washington Nationals			

**All Time Records as of October 6, 2019**

Highest batting average	Ty Cobb	.3664
Most home runs	Barry Bonds	762
Most walks	Barry Bonds	2,558
Most grand slams	Alex Rodriguez	25
Most runs batted in	Hank Aaron	2,297
Most hits	Pete Rose	4,256
Most singles	Pete Rose	3,215
Most at-bats	Pete Rose	14,555
Most games played	Pete Rose	3,562
Most runs scored	Rickey Henderson	2,295
Most stolen bases	Rickey Henderson	1,406
Highest slugging percentage	Babe Ruth	.690
Most strikeouts	Reggie Jackson	2,597
Most wins	Cy Young	511
Most losses	Cy Young	316
Most innings pitched	Cy Young	7,354 $\frac{2}{3}$
Most complete games	Cy Young	749
Lowest E.R.A.	Ed Walsh	1.82
Most no-hitters	Nolan Ryan	7
Most strikeouts	Nolan Ryan	5714
Most shutouts	Walter Johnson	110
Most pickoffs	Steve Carlton	144
Most hit batsmen	Gus Weyhing	278
Most home runs allowed	Jamie Moyer	522
Lowest walks plus hits per inning pitched	Addie Joss	0.968
Most saves	Mariano Rivera	652
Highest win-loss percentage	Spud Chandler	71.7%
Most games	Jesse Orosco	1252
Most consecutive scoreless innings pitched	Orel Hershisier	59
Most consecutive games played	Cal Ripken, Jr.	2632
Longest streak of games with a hit	Joe DiMaggio	56
Most hits in one season	Ichiro Suzuki	262
Most All-Star games played	Hank Aaron	25
Most World Series appearances (as a team)	New York Yankees	40

### 11.1.3 Basketball

#### All Time Records as of October 6, 2019

Most Career Points Scored	Kareem Abdul-Jabbar	38387
Most Career wins	Kareem Abdul-Jabbar	1,074
Most Points Scored in a Single Season	Wilt Chamberlain	4,029
Most Points Scored in a Single Game	Wilt Chamberlain	100
Most Career Rebounds	Wilt Chamberlain	23974
Most Career assists	John Stockton	15806
Most Career Steals	John Stockton	3,265
Most Career Blocks	Hakeem Olajuwon	3830
Highest points per game average	Michael Jordan	30.12
Most points in a game without any fouls	Michael Jordan	61
Most free throws made	Karl Malone	9,787
Most starts	Karl Malone	1,471
Most games played	Robert Parish	1,611
Highest win percentage by a head coach	Steve Kerr	78.5%
Highest free throw percentage	Steve Nash	90.43%
Most consecutive starts	Karl Malone	1,395
Most dunks	Dwight Howard (Active)	2,697
Most consecutive games played	A.C. Green	1,192
Youngest player to be drafted	Andrew Bynum	17 yrs and 249 days
Youngest NBA debut as a starter	LeBron James	18 yrs and 303 days
Youngest player to start a game	Kobe Bryant	18 yrs and 158 days

The Longest NBA game occurred on January 6, 1951 between the Olympians and Royals. Indianapolis beat Rochester 75–73 after 6 overtimes.

- 11.1.4    Boxing
- 11.1.5    Car Racing
- 11.1.6    Curling
- 11.1.7    Cycling
- 11.1.8    Golf
- 11.1.9    Gymnastics
- 11.1.10   Hockey
- 11.1.11   Figure Skating
- 11.1.12   Football
- 11.1.13   Skateboarding
- 11.1.14   Soccer
- 11.1.15   Softball
- 11.1.16   Swimming
- 11.1.17   Tennis
- 11.1.18   Track and Field
- 11.1.19   Volleyball
- 11.1.20   Weight Lifting

## 11.2 College

### 11.2.1 Baseball

### 11.2.2 Basketball

### 11.2.3 Golf

### 11.2.4 Hockey

### 11.2.5 Football

### 11.2.6 Soccer

### 11.2.7 Tennis

## 11.3 Olympic Sports

### 11.3.1 -athalons



## Chapter 12

# Theology and Philosophy



# Chapter 13

## Miscellaneous