



***2024 School Kids Day
Prep Course***



Welcome



Welcome to the 2024 Buffalo Bisons "Prep Course". We look forward to having you join us for our annual School Kids Day game on Thursday, May 23rd!

To help you get ready for the game, we have put together this guide to give you all the info you will need to enjoy the day.

Inside you will find information on the Bisons and the basics of a baseball game, as well as some information tied to our theme for the day, which is Moment of Darkness - Total Solar Eclipse!

Our friends from WNY United Against Drugs & Alcohol have also provided us with some information to help your kids stay away from drugs and live a healthy lifestyle. This additional link can be found on the Bisons School Kids Day page.

At the end of this guide is a certificate of completion. Snap a picture of your class holding them up, and we'll put it up on the video board during the game! Email pictures to solay@bisons.com. Photos will need to be submitted by Friday, May 17.

Thanks and we'll see you at the game!



Bisons Baseball



Triple-A Baseball affiliate of the Toronto Blue Jays
Baseball season: March-September (75 home games)
Play at Sahlen Field in downtown Buffalo
Stadium capacity: 16,600 seats!

Home to Buster T. Bison, Chip, Chicken Wing, Bleu Cheese, Atomic Wing, Beef on Weck, Carrot, Fish Fry and fan-favorite, Celery!

Website: Bisons.com

Twitter: @BuffaloBisons

Instagram: @BuffaloBisons

Facebook: Buffalo Bisons

Tik Tok: @BuffaloBisonsBaseball





Baseball Basics



- Game is 9 innings (includes top + bottom)
 - Extra innings played if tied after 9, until someone wins
- Top of the inning – Bisons are in the field
- Bottom of the inning – Bisons are batting
- 3 outs end half an inning
- Outs can be made by:
 - Batter striking out (3 strikes)
 - A batted ball caught before touching the ground
 - A batted ball thrown to base before player arrives
 - A runner tagged out by a fielder



Baseball Basics



Here is a look at the players in the field:

How many positions are there?

Is that an even or an odd number?

How many bases are on the field?

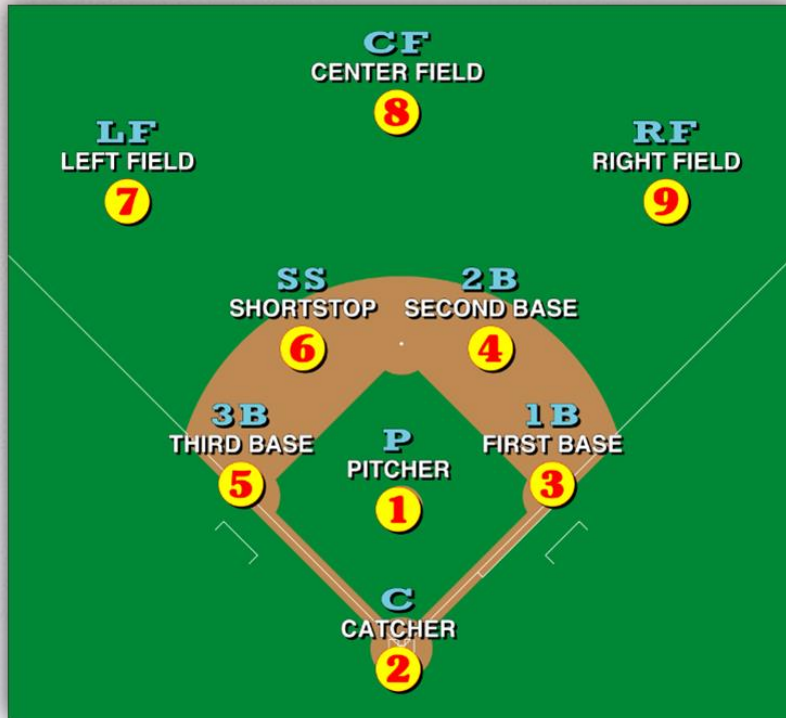
What shape is the infield?

At what degree angle do the baselines intersect?

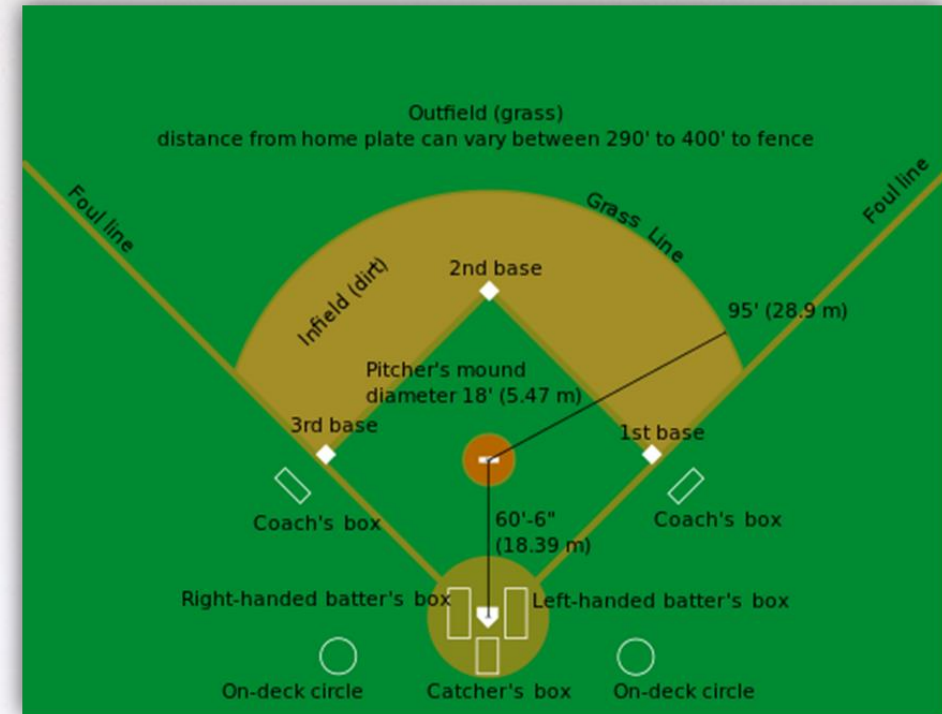




Baseball Basics



Each position in the field is assigned a number. If you hear that the Bisons turned a 5,4,3 double play, that means the third baseman threw to the second baseman, and he threw to first to get 2 runners out.





Statistics/Game Info.



Line Score

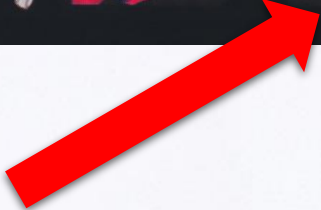
R: Runs scored for the game for each team

H: Each team's total Hits for the game

E: Total Errors made for the game for each team

Player	AB	AVG	OPS	HR	RBI	SB
LUKES	.304					
HORWITZ	.300					
SCHNEIDER	.261					
BARGER	.209					
TALLEY	.259					
LANTIGUA	.272					
BRANTLY	.271					
MORRIS	.238					
EDEN	.240					
RAFAEL LANTIGUA	217	.272	.827	4	30	11

Team	B	S	O	R	H	E
WOO SOX	0	1	2	2	0	0
BISONS	0	1	2	2	0	0





Statistics/Game Info.



Pitch Count

B: number of balls

- 4 balls put a man on base!

S: number of strikes

- 3 strikes and you're out!
- Foul balls count as strikes up to 2
- If 2 strikes already, foul ball doesn't count

O: number of outs

- 3 outs and teams switch places

Player	Stat	Value
LUKE'S	AVG	.304
HORWITZ	AVG	.300
SCHNEIDER	AVG	.261
BARGER	AVG	.209
TALLEY	AVG	.259
LANTIGUA	AVG	.272
BRANTLY	AVG	.271
MORRIS	AVG	.238
EDEN	AVG	.240
BARRACLOUGH	ERA	0.00
BARRACLOUGH	TOTAL	17
RAFAEL LANTIGUA	PH	66
RAFAEL LANTIGUA	AB	217
RAFAEL LANTIGUA	AVG	.272
RAFAEL LANTIGUA	OPS	.827
RAFAEL LANTIGUA	HR	4
RAFAEL LANTIGUA	RBI	30
RAFAEL LANTIGUA	SB	11
BARRACLOUGH	B	0
BARRACLOUGH	S	1
BARRACLOUGH	O	2



Statistics/Game Info.



Batting Average (AVG)

- Calculated by dividing hits by number of at-bats
- Ex: 3 hits in 10 at bats = .300 avg.

HR – Home Runs

RBI – Runs Batted In

On Base Percentage (OBP)

- Measures how often a batter reaches base by calculating (hits + walks + hit by pitch) / (at bats + walks + hit by pitch + sacrifice flies)
 - Ex: If a batter has been at bat 214 times, and in that time has made: 62 hits, 13 walks, been hit by a pitch 4 times, and 5 sacrifice flies, then:
 - 62 hits + 13 walks + 4 hit by a pitch is 79.
 - 214 at bats + 13 walks + 4 hit by a pitch + 5 sacrifice flies is 236.
 - 79 divided by 236 is 0.3347
 - Therefore, the batter's on base percentage is .335.



Statistics/Game Info.



Now let's see if you can calculate:

Batting Average

A player has 93 hits in 349 at-bats.

What is his batting average for this season?

On Base Percentage

A batter has been at bat 369 times, and in that time has made: 99 hits, 27 walks, been hit by a pitch 3 times, and 7 sacrifice flies.

What is his On Base Percentage?



Moment of Darkness – Total Solar Eclipse



On April 8, 2024, a Total Solar Eclipse will cross North America – passing over Mexico, the United States, and Canada. Buffalo will be one of the cities that will get to experience this phenomenon in its entirety.

The Buffalo Bisons, with the help of NASA, will host a viewing event right from the ballpark! Details will be released closer to the event. Here is some information to help you prepare for the big event!



Moment of Darkness – Total Solar Eclipse



A total solar eclipse happens when the Moon passes between the Sun and Earth, completely blocking the face of the Sun. The sky will darken as if it were dawn or dusk.

A partial or annular solar eclipse is similar in that the moon is between the Sun and Earth, but the moon does not fully cover the face of the sun. These are more common and happen a few times per year, although not always visible to us in Western New York.





Moment of Darkness – Total Solar Eclipse



It is important to study eclipses to learn more about the Sun, Earth, and universe. This gives scientists the ability to test new theories about outer space and verify information we already have. We may think we know it all, but new discoveries happen all the time!

Some important findings from past eclipses:

- Helped show that the Earth was round and not flat
- Discovered a new element – Helium
- Helped Einstein prove his theory of General Relativity, aka Gravity!



Moment of Darkness – Total Solar Eclipse



While many people will travel to Buffalo – including scientists, educators, and media outlets, there are certain precautions that everyone will need to take while viewing the eclipse. Looking directly into the sun is never safe and causes serious eye damage!

There are special eclipse glasses that need to be worn that have a special solar lens to protect a viewers' eyes. This is also needed for all telescopes, cameras, and binoculars. You cannot use a regular pair of sunglasses!





Moment of Darkness – Total Solar Eclipse



The last total solar eclipse that was visible in Buffalo and Western NY happened 99 years ago (1925). According to the Buffalo News, there wasn't much to see due to cloudy weather. Certain areas may experience a total solar eclipse more frequently than others, but for WNY, it will only occur close to every 100 years.





Moment of Darkness – Total Solar Eclipse



The last total solar eclipse that was visible in the United States happened in August 2017. After April 8, it is not expected to happen until 2044.





Moment of Darkness – Total Solar Eclipse



*For more information and to continue the discussion,
check out these sites!*

<https://science.nasa.gov/eclipses/future-eclipses/eclipse-2024/>

<https://science.nasa.gov/eclipses/future-eclipses/eclipse-2024/safety/>



Game Day Check List



- *Game time is 11:05am, gates open at 9:30am*
 - *We strongly recommend arriving as early as possible!*
 - *Games typically last 2.5-3 hours*
- *Dress accordingly for the weather*
 - *Sunblock/hats if it's warm + sunny*
 - *Raincoats/ponchos if there could be inclement weather*
 - *Plan on attending rain or shine, we will do our best to play the game either way!*
- *What you can bring*
 - *Gloves for foul balls*
 - *Backpacks*
 - *Bagged lunches*
- *Be Smart*
 - *Listen to your teachers' instructions*
 - *Be careful when crossing the street*
 - *Don't litter*
 - *Don't run, be courteous to other fans at the game*
- **HAVE FUN!!!**

CONGRATULATIONS



*has successfully completed the
2024 Buffalo Bisons School Kids Day
Prep Course!*