

# The Gold and Blue

## *The Lyncourt Ecology Club Newsletter*



Presented by  
**The Lyncourt Ecology Club**

### **Ecology club mission statement**

**“Be safe in, be respectful of and  
be responsible with  
the environment.”**

### **What does the Ecology Club do?**

- **Explore the environment**
- **Educate others about preserving  
the environment**
- **Encourage others to recycle**

### **What are our plans for next school year and the future?**

- \*Perhaps an Elementary Ecology Club**
- \*Educating elementary students about the environment**
- \*Bringing a future community vegetable garden to Lyncourt**
- \*A Lyncourt school Ecology club community website**

# Eclipse Safety

An eclipse is an astrological event that is caused by the total/partial covering of one heavenly body by another. There are two major types of eclipses: a lunar eclipse and a solar eclipse. A lunar eclipse is when Earth's shadow covers the moon. A solar eclipse is when the moon blocks us from seeing the sun. Solar eclipses can be classified as either total, partial, hybrid or annular. Total and partial are self-explanatory. A hybrid eclipse is when an eclipse shifts between annular and total as the moon moves across the globe. Annular eclipses happen when the moon passes between the sun and the earth, but only when it is at or near its farthest point from earth. This means that the moon appears smaller than the sun, and doesn't completely cover it because the moon is farther away from the earth. There are three types of lunar eclipses: total, partial, and penumbral. Again, the words total and partial are self-explanatory. A penumbral lunar eclipse occurs when a partial or full moon passes into the Earth's penumbra, which is the scattered outer shadow of the earth.



## How do I watch the eclipse safely?

**Use ONLY certified eclipse eyewear.**

Eyewear must be ISO 12312-2 International Standard or you can make a pinhole projector by going [Going to this website for directions](https://www.adlerplanetarium.org/blog/how-to-make-a-pinhole-projector-to-safely-view-a-solar-eclipse/)

## Why is April 8th's eclipse so special?

We will see a total eclipse. The last time this happened in the US was 6 years ago. This eclipse will move from West to East, and the totality will last longer for the moon to move in its orbit across the face of the sun.

The next total eclipse in the US will not happen until August of 2044 and will be clearly seen from those in Montana and North Dakota.

## When is the best time for viewing in downtown Syracuse?

Start of partial eclipse:	2:09:02 pm
Start of the total eclipse:	3:23:04 pm
Maximum eclipse:	3:23:47 pm
End of total eclipse:	3:24:29 pm
End of partial eclipse:	4:34:48 pm

