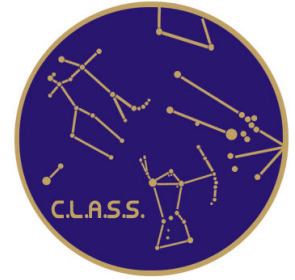


City Lights Astronomical Society for Students



www.classusa.org

Welcome to the City Lights Astronomical Society for Students' (CLASS) Naked Eye Observing Program. This is a beginning program to familiarize everyone with the night sky. The rules are simple, just observe the 20 required objects from the lists provided. To get the 20 objects, you will need to observe and record twelve constellations from either the "Spring and Summer" constellation list or the "Fall and Winter" constellation list or a combination of the two lists. Next, observe and record five stars from the "Brightest Stars" list. Finally, observe both the First Quarter and Full Moon, and then the North Star, Polaris. That's it. That is a total of twenty objects observed using only your naked eye. When recording your observations, you need only log the date and time observed. At the completion of the program you will receive recognition from CLASS and a nice lapel pin to wear proudly. There is no time limit in completing the program, and you may observe the objects from either the city or the country.

Once you have completed the program and have filled out the accompanying logs, send your observations to:

John Wagoner
CLASS
1409 Sequoia Dr.
Plano, Tx. 75023

When sending in your log sheets, please include your name and address, what grade you are in, and what school you go to. We will then send you your CLASS Naked Eye Observing Program lapel pin. To help in recognizing the twenty objects, you may want to check out a book at your local or school library, or you can purchase a simple planisphere or sky map online at www.skyandtelescope.com. And if you need a little help from a parent or friend, that is ok too. Good luck, clear skies, and good observing.

John Wagoner – President – CLASS
john@classusa.org

Brightest Stars (any 5)

Star	Constellation	Date Observed	Time Observed
Adhara	Canis Major		
Aldebaran	Taurus		
Alnilam	Orion		
Altair	Aquila		
Antares	Scorpius		
Arcturus	Bootes		
Bellatrix	Orion		
Betelgeuse	Orion		
Canopus	Carina		
Capella	Auriga		
Castor	Gemini		
Deneb	Cygnus		
El Nath	Taurus		
Fomalhaut	Piscis Austrinus		
Pollux	Gemini		
Procyon	Canis Minor		
Regulus	Leo		
Rigel	Orion		
Shaula	Scorpius		
Sirius	Canis Major		
Spica	Virgo		
Vega	Lyra		

Moon Phases

Phase	Date Observed	Time Observed
First Quarter Moon		
Full Moon		

North Star

Star	Constellation	Date Observed	Time Observed
Polaris	Ursa Minor		

Spring and Summer Constellations

Constellation	Description	Date Observed	Time Observed
Antlia	the Air Pump		
Aquila	the Eagle		
Bootes	the Herdsman		
Canes Venatici	the Hunting Dogs		
Capricornus	the Sea Goat		
Centaurus	the Centaur		
Coma Berenices	Berenice's Hair		
Corona Australis	the Southern Crown		
Corona Borealis	the Northern Crown		
Corvus	the Crow		
Crater	the Cup		
Cygnus	the Swan		
Delphinus	the Dolphin		
Draco	the Dragon		
Equuleus	the Colt		
Hercules	the Strongman		
Hydra	the Female Water Snake		
Leo	the Lion		
Leo Minor	the Small Lion		
Libra	the Scales		
Lupus	the Wolf		
Lyra	the Lyre		
Microscopium	the Microscope		
Ophiuchus	the Serpent Bearer		
Sagitta	the Arrow		
Sagittarius	the Archer		
Scorpius	the Scorpion		
Scutum	the Shield		
Serpens Caput	the Snake's Head		
Serpens Cauda	the Snake's Tail		
Sextans	the Sextant		
Ursa Major	the Great Bear		
Ursa Minor	the Little Bear		
Virgo	the Virgin		
Vulpecula	the Fox		

Fall and Winter Constellations

Constellation	Description	Date Observed	Time Observed
Andromeda	the Princess		
Aquarius	the Water-Bearer		
Aries	the Golden Ram		
Auriga	the Charioteer		
Camelopardalis	the Giraffe		
Cancer	the Crab		
Canis Major	the Big Dog		
Canis Minor	the Little Dog		
Cassiopeia	the Queen		
Cepheus	the King		
Cetus	the Whale		
Columba	the Dove		
Eridanus	the River		
Fornax	the Furnace		
Gemini	the Twins		
Lacerta	the Lizard		
Lepus	the Hare		
Lynx	the Lynx		
Monoceros	the Unicorn		
Orion	the Hunter		
Pegasus	the Winged Horse		
Perseus	the Hero		
Pisces	the Fishes		
Piscis Austrinus	the Southern Fish		
Puppis	the Ship's Stern		
Pyxis	the Mariner's Compass		
Sculptor	the Sculptor		
Taurus	the Bull		
Triangulum	the Triangle		