

ART KIT # 27

★ ASTRONOMY & constellations ★

• ASTRONOMY IS THE STUDY OF THE SUN, MOON, PLANETS, COMETS, GAS, GALAXIES, STARS, DUST & THE PHYSICAL UNIVERSE AS A WHOLE. SINCE HUMAN BEINGS HAVE EXISTED THEY HAVE STUDIED THE SKIES. STARS HELPED PEOPLE NAVIGATE THE OCEANS, PREDICT WEATHER & ECLIPSES, MARK THE SEASONS, & MEASURE TIME. ASTRONOMY HELPS US UNDERSTAND HOW WE FIT INTO THIS VAST UNIVERSE.

• WHEN COPERNICUS CLAIMED THAT THE SUN WAS THE CENTER OF THE UNIVERSE - NOT THE EARTH - IT SENT SHOCK WAVES THROUGH THE WORLD. RELIGION, SCIENCE & THE SOCIETY HAD TO ADAPT TO THIS NEW WORLD VIEW.

• ASTRONOMERS HAVE DISCOVERED THAT THE 6 MOST COMMON ELEMENTS ON EARTH - "THE BUILDING BLOCKS OF LIFE": HYDROGEN, CARBON, NITROGEN, OXYGEN, SULFUR & PHOSPHORUS - ARE FOUND IN ABUNDANCE IN OUR MILKY WAY GALAXY. SCIENTISTS SAY: HUMAN BEINGS ARE MADE OUT OF STARDUST.

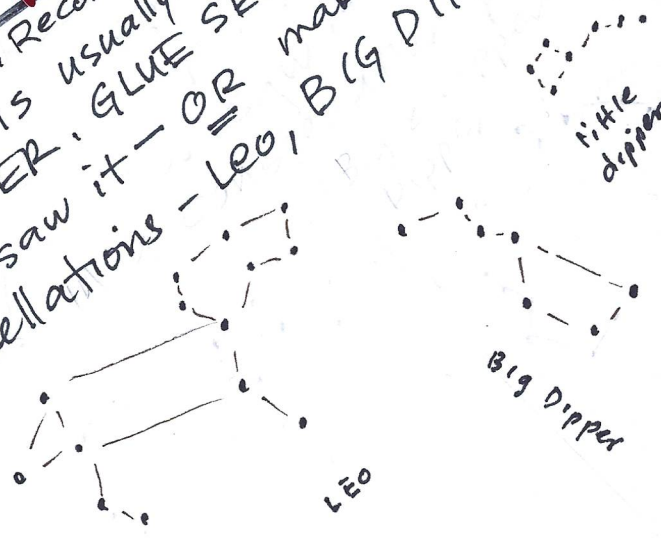
• STUDYING ASTRONOMY PUSHES US TO DEVELOP NEW TOOLS WHICH HELP US IN MANY OTHER AREAS OF LIFE. WE CAN THANK ASTRONOMY FOR:

GPS! SOLAR PANELS!

! MRI SCANNERS (magnetic resonance imaging)

ADVANCES IN PERSONAL COMPUTERS, MOBILE PHONES, COMMUNICATION SATELLITES!

Look up at the NIGHT SKY. Record the stars on paper. The constellation of LEO is usually visible year round. USE the Black PAPER. GLUE SEQUINS/GEMS to show the sky as you saw it - OR make the patterns of constellations - LEO, BIG DIPPER or...



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Two things fill the mind with ever-increasing wonder and awe... the starry heavens above me and the moral law within me. Immanuel Kant, influential philosopher