

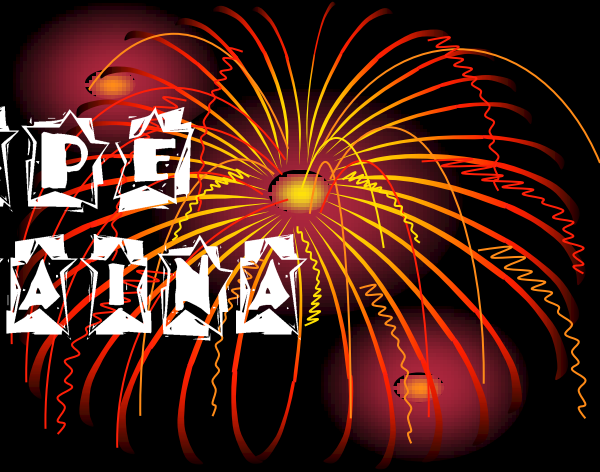
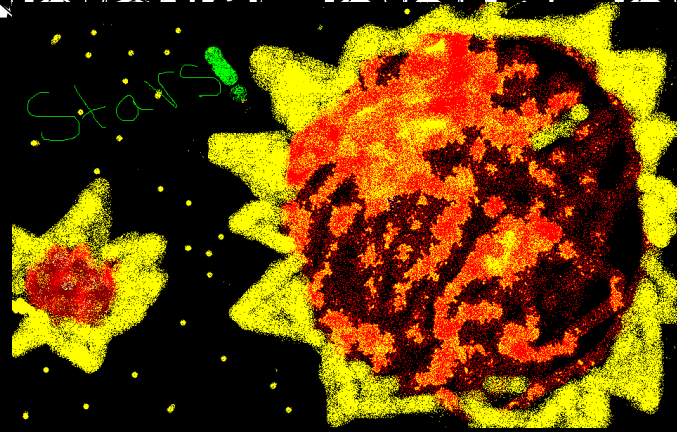


**STARS**

**BY MRS FERSTLE'S  
SECOND GRADE CLASS**

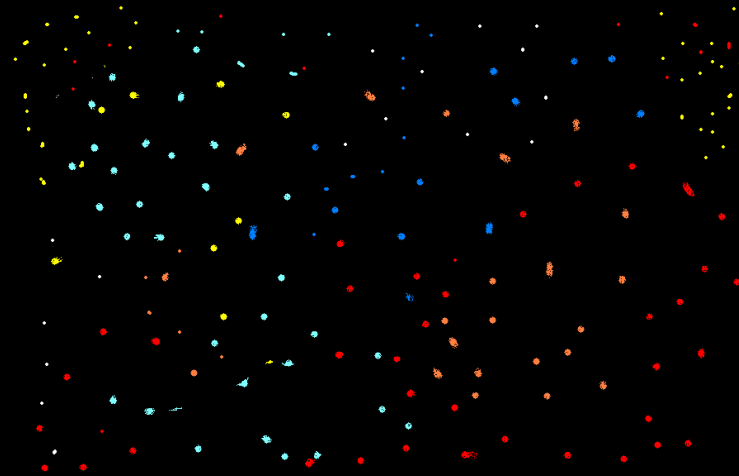
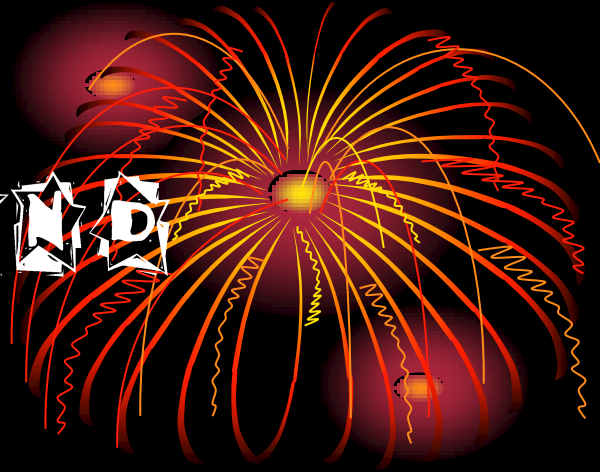
2009-2010

# SIZE AND SHAPE BY ALEX AND ALAINA



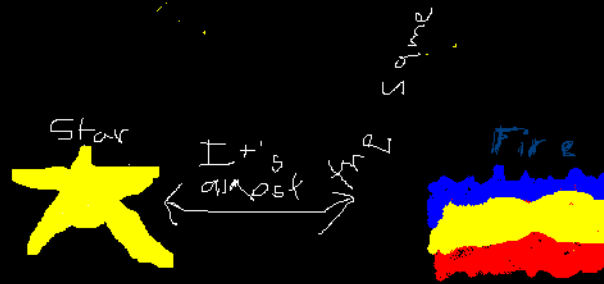
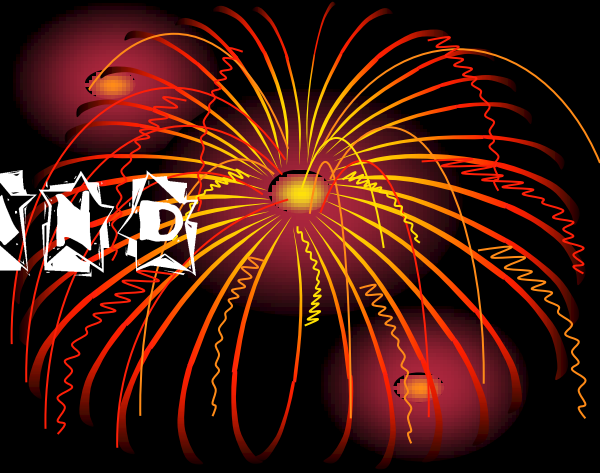
- Stars can be big or small.
- A star can be about 1.5 to 4 times bigger than the sun.
- Stars can also be smaller than the sun.
- Stars are big balls of gas.
- Stars can be 100 kilometers wide.
- A white dwarf is the size of earth.
- The largest star systems are called galaxies.

# COLOR BY KALPANA AND SEBASTIAN



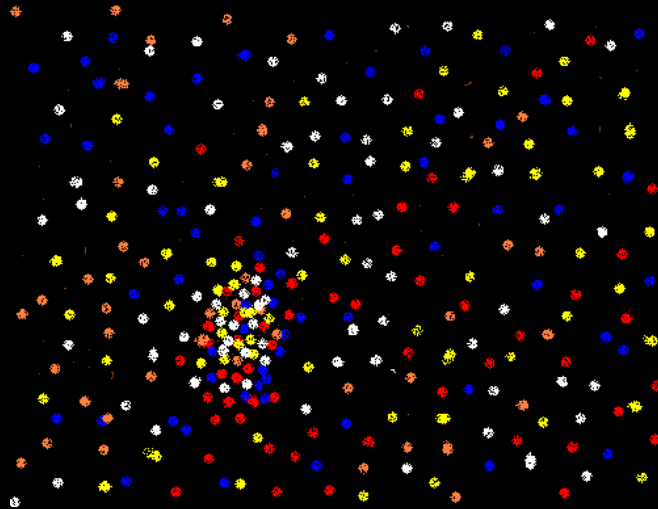
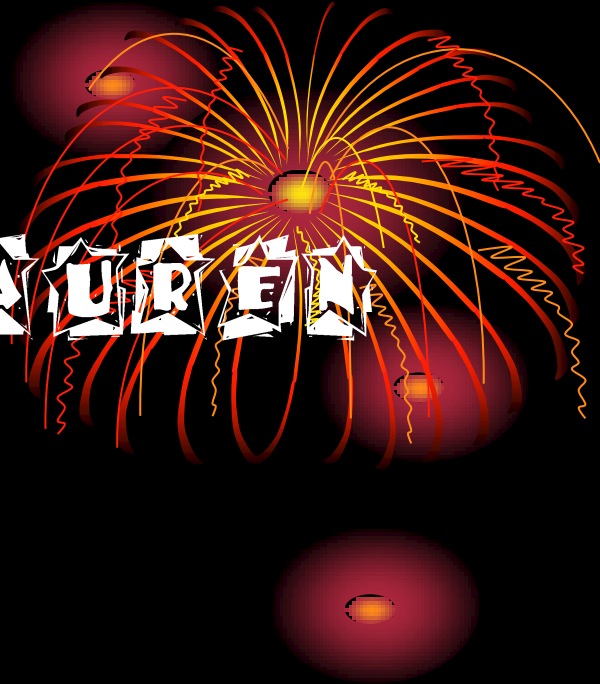
- Blue, white, orange and red are the colors of the stars
- They can even be yellowish orange or bluish white
- They can be bright blue violet
- The hottest stars are blue
- The coolest stars are red

# LIGHT BY MATTHEW AND ROSHAN



- The light of a star is like the light of fire
- Stars twinkle because of their flame
- A star is a giant ball of glowing gas
- Stars are out all day but you can't see them because of the sun

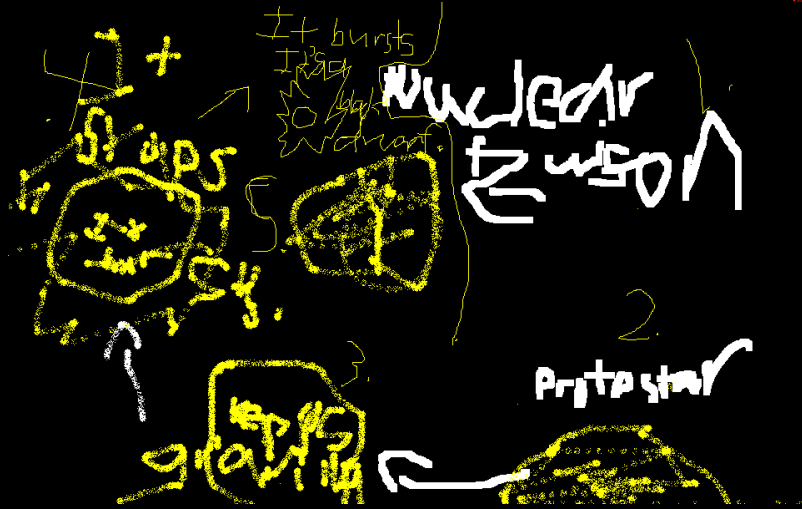
# NUMBER BY JONAH AND LAUREN



- There are millions of stars in the sky.
- The Milky Way is made of millions of stars.
- There are more little stars than big stars.
- There is only one North Star.
- The North Star is also known as Polaris.
- There are more stars on a moonless night.
- Try to count them! Bet you can't!

# LIFE CYCLE OF A STAR

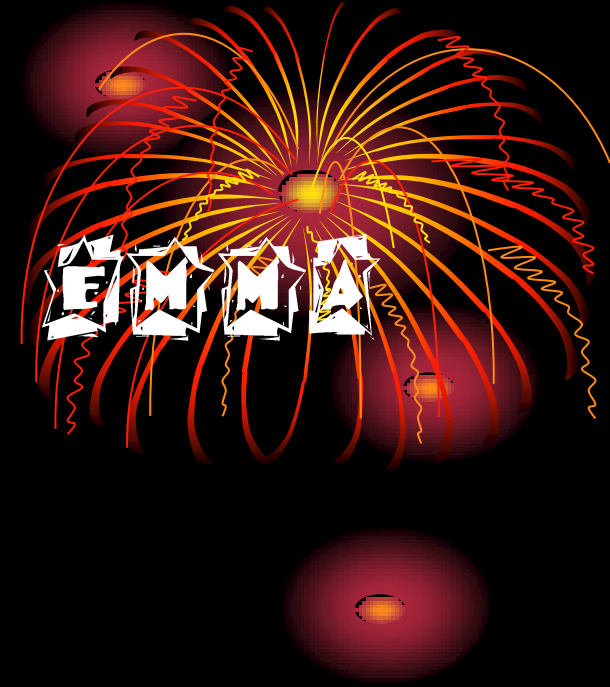
## BY WALKER AND LUKE



- First the star has nuclear fusion!
- Then the star grows to be a protostar.
- It still keeps growing.
- It bursts.
- Now the black dwarf can last for thousands of years!

# SUN

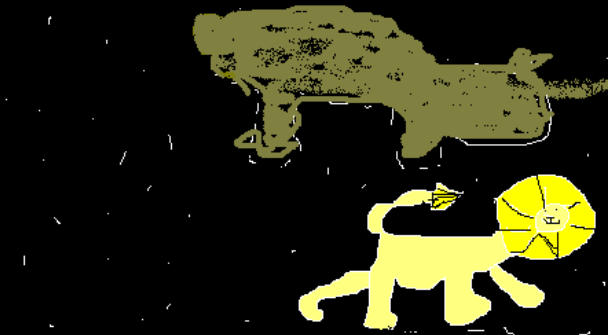
## BY KAUTILYN AND EMMA



- **WARNING! WARNING! NEVER LOOK DIRECTLY AT THE SUN!**
- The sun is 93 million miles wide.
- The sun is not the biggest star in our solar system.
- The sun is the most important star in the solar system.
- We're 92 million miles away from the sun.
- 5 billion years from now the sun will expand and be a red giant and reach earth's orbit.
- Our star is more than 4 billion years old.
- Once the sun burns and starts cools off it's called a white dwarf.
- We're 92 million miles away from the sun.
- If you could drive to the sun in your family's car it would take 150 years.
- The heat at the sun's surface is 10,000 °F cool compared with the center where it is 27,000,000!
- The sun isn't the hottest star in our solar system.

# PATTERNS

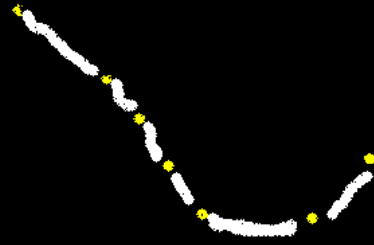
## BY ALISSA AND LOGHAN



- Patterns are really constellations.
- One is called Ursa Major.
- Leo the lion is a pattern.
- People told stories about how the constellations got in the sky.
- A queen thought she was so beautiful that the gods flipped her crown.
- There are 88 constellations in the night sky.

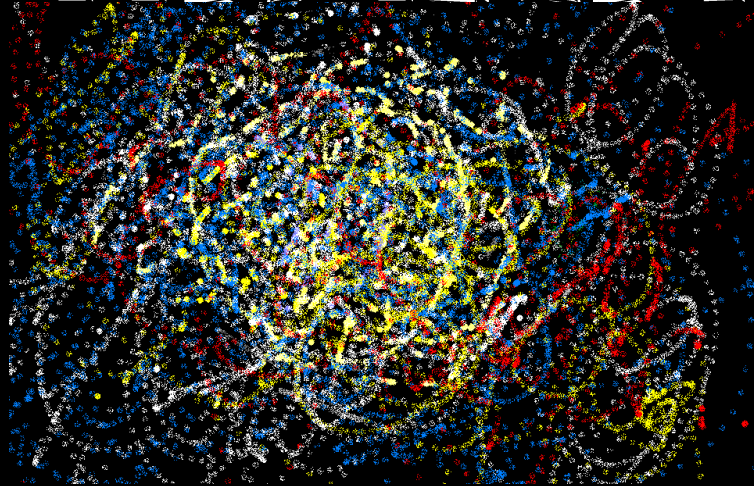


# BIG DIPPER CONSTELLATION BY KETAN AND BEITH



- The names of the stars that make up the Big Dipper are Alkaid, Alcor, Mizar, Alioth, Phecda, Megrez, Dubhe and, Meram.
- The two stars at the end of the Dipper are called the pointer stars because they point to the north stars.
- The Big Dipper is part of the constellation Ursa Major.

# FUN FACTS BY CONNOR AND ALEXANDER



- Star light travels in lights years
- The sun is almost 1000 times larger than all the planets combined
- The sun can hold one million earths inside
- Gravity is a force that pulls things in
- The super red giant can hold more than 15,000 suns
- The milky way has over 100 billion stars
- Stars appear to twinkle in
- It takes millions to billions of years for a star to live out it's life
- According to the big bang theory the universe is as old as the farthest object appears to be 15 billion light years away