

Sun

Yellow Dwarf Star

Diameter: 1,390,000 km (8 inches in this scale)

Mass: 1,989,100,000,000,000,000,000 billion kg

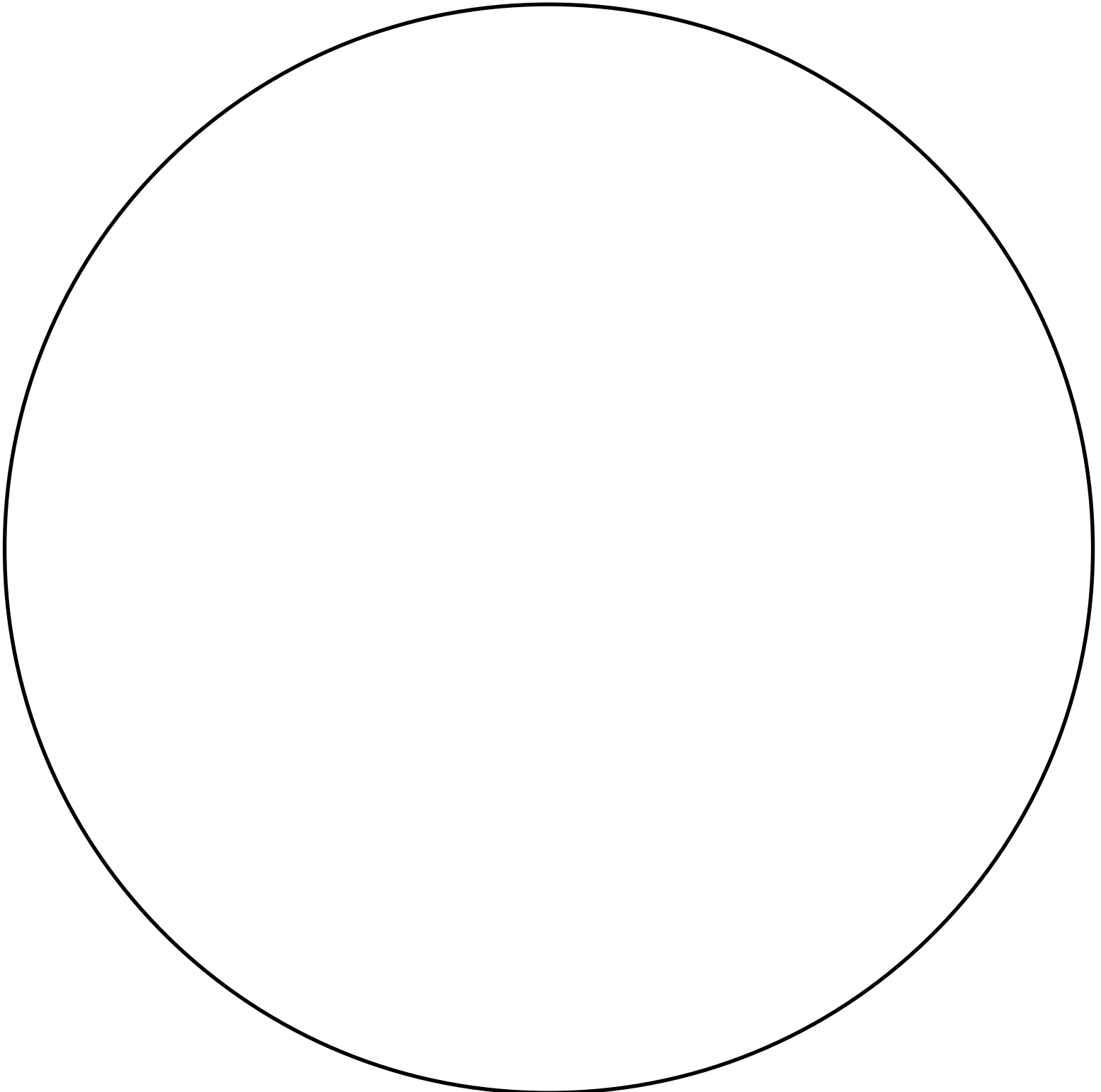
Surface Temperature: 5,500 °C

Learn more about the Sun and planets at nineplanets.org

Learn more about this model at

www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net



Mercury

Smallest, fastest and closest to the Sun

Diameter: 4,879 km (0.03 inches in this scale)

Mass: 330,104,000,000,000 billion kg

Distance from Sun: 57,909,227 km (10 yards in this scale)

Surface Temperature: -173 to 427 °C

Time of Orbit: 88 Earth Days



Learn more about the Sun and planets at nineplanets.org

Learn more about this model at www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net

Venus

Hottest, brightest from the Earth, spins opposite the other planets

Diameter: 12,104 km (0.08 inches in this scale)

Mass: 4,867,320,000,000,000 billion kg

Distance from Sun: 108,209,475 km (19 yards in this scale)

Surface Temperature: 462 °C

Time of Orbit: 225 Earth Days



Learn more about the Sun and planets at nineplanets.org

Learn more about this model at www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net

Earth

The only planet with known life

Diameter: 12,742 km (0.08 inches in this scale)

Mass: 597,360,000,000,000 billion kg

Distance from Sun: 150,420,000 km (26 yards in this scale)

Surface Temperature: 15 °C

Time of Orbit: 365 Earth Days



Learn more about the Sun and planets at nineplanets.org

Learn more about this model at www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net

Mars

Dusty, cold and home to 4 NASA robots

Diameter: 6,805 km (0.04 inches in this scale)

Mass: 641,693,000,000,000 billion kg

Distance from Sun: 227,943,824 km (39 yards in this scale)

Surface Temperature: -87 to -5 °C

Time of Orbit: 687 Earth Days



Learn more about the Sun and planets at nineplanets.org

Learn more about this model at www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net

Jupiter

Twice as big as all other planets combined with 4 rings, 67 moons

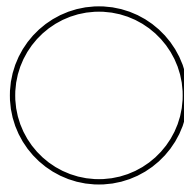
Diameter: 142,984 km (0.9 inches in this scale)

Mass: 1,898,130,000,000,000,000 billion kg

Distance from Sun: 778,340,821km (135 yards in this scale)

Surface Temperature: -108 °C

Time of Orbit: 4,333 Earth days (11.86 Earth years)



Learn more about the Sun and planets at nineplanets.org

Learn more about this model at www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net

Saturn

Has 80 rings, 82 moons and is less dense than water

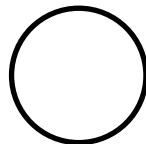
Diameter: 120,536 km (0.7 inches in this scale)

Mass: 568,300,000,000,000,000 billion kg

Distance from Sun: 1,496,500,000 km (247 yards in this scale)

Surface Temperature: -175 °C

Time of Orbit: 10,767 Earth days (29.5 Earth years)



Learn more about the Sun and planets at nineplanets.org

Learn more about this model at www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net

Uranus

Has the shortest day (17 hours) and spins on its side

Diameter: 51,118 km (0.3 inches in this scale)

Mass: 86,810,300,000,000,000 billion kg

Distance from Sun: 2,870,658,186 km (496 yards in this scale)

Surface Temperature: -197 °C

Time of Orbit: 30,687 Earth days (84.02 Earth years)



Learn more about the Sun and planets at nineplanets.org

Learn more about this model at www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net

Neptune

Cold dark planet over 3 billion miles from the Sun

Diameter: 49,528 km (0.3 inches in this scale)

Mass: 102,410,000,000,000,000 billion kg

Distance from Sun: 4,498,396,441 km (777 yards in this scale)

Surface Temperature: -201 °C

Time of Orbit: 60,190 Earth days (164.8 Earth years)



Learn more about the Sun and planets at nineplanets.org

Learn more about this model at www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net

Pluto

A dwarf planet, smaller than Earth's moon, part of the Kuiper Belt

Diameter: 2,368 km (0.02 inches in this scale)

Mass: 13,050,000,000,000 billion kg

Distance from Sun: 5,874,000,000 km (1,017 yards in this scale)

Surface Temperature: -229 °C

Time of Orbit: 60,190 Earth days (164.8 Earth years)

.

Learn more about the Sun and planets at nineplanets.org

Learn more about this model at www.noao.edu/education/peppercorn/pcmain.html

More science fun at seven-oaks.net