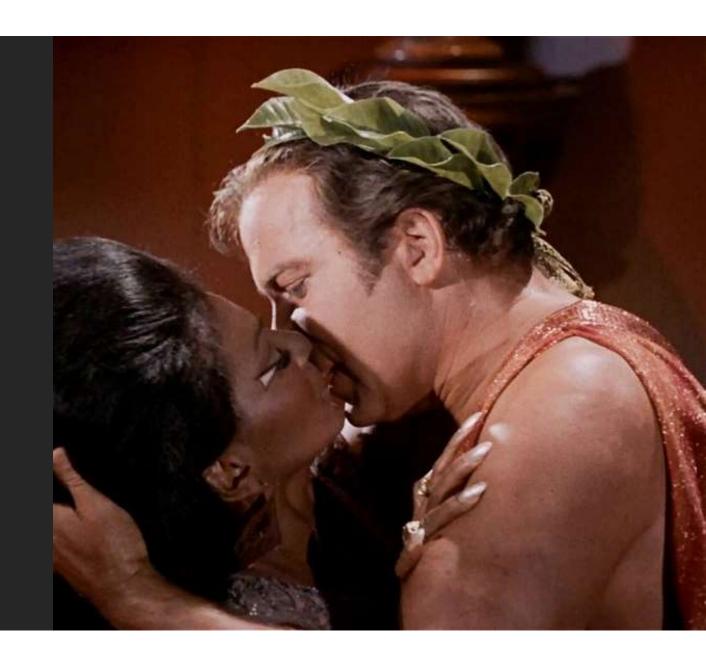
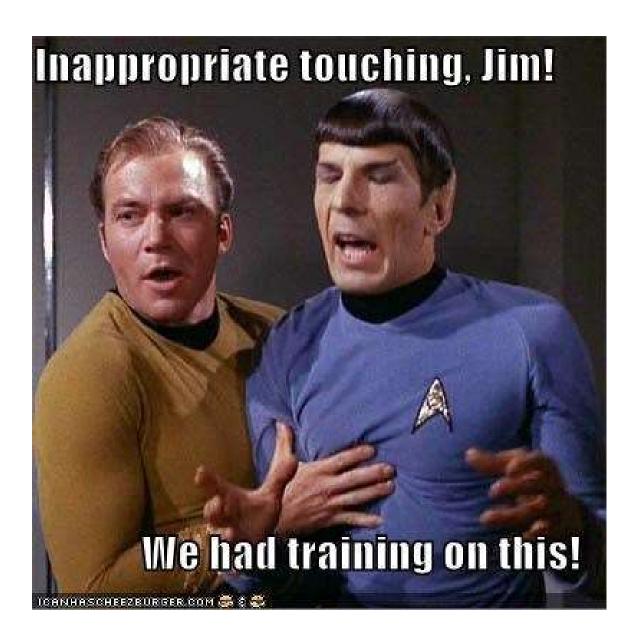
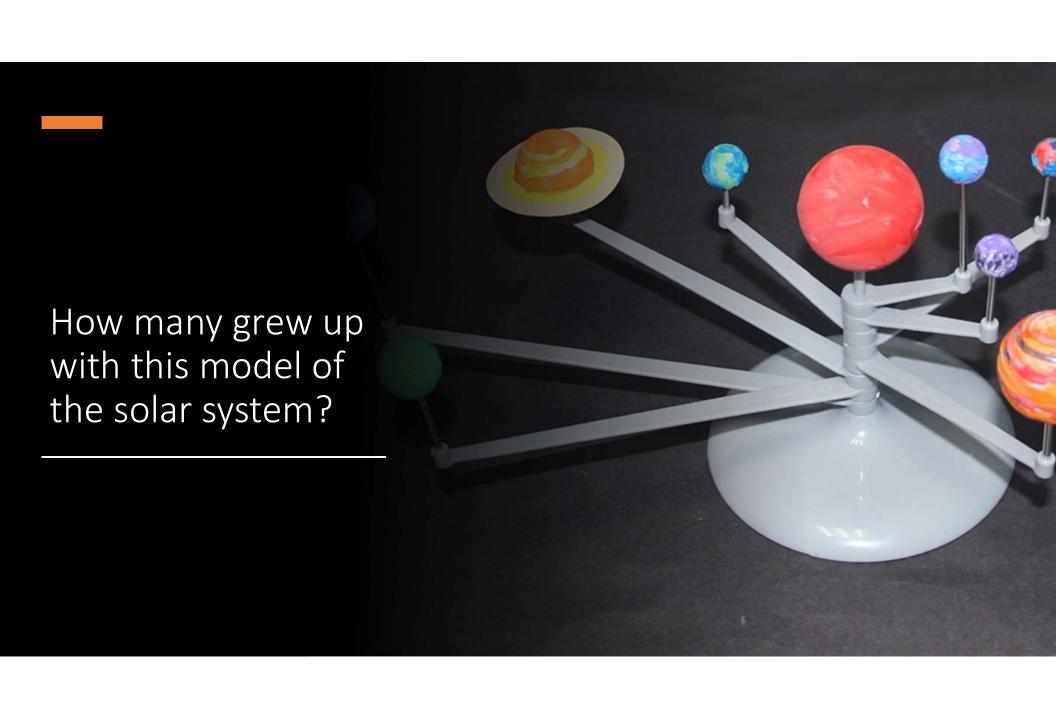


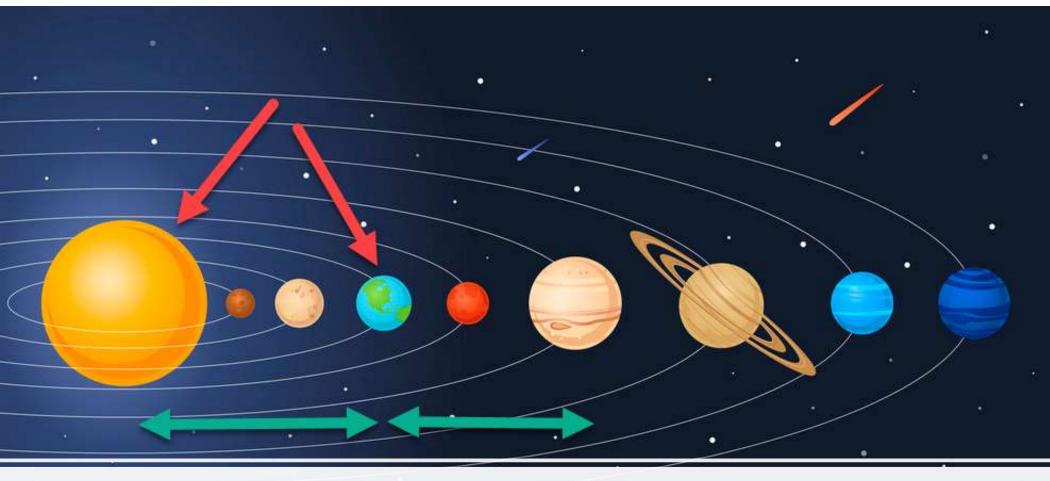
Star Trek The show that broke racial barriers



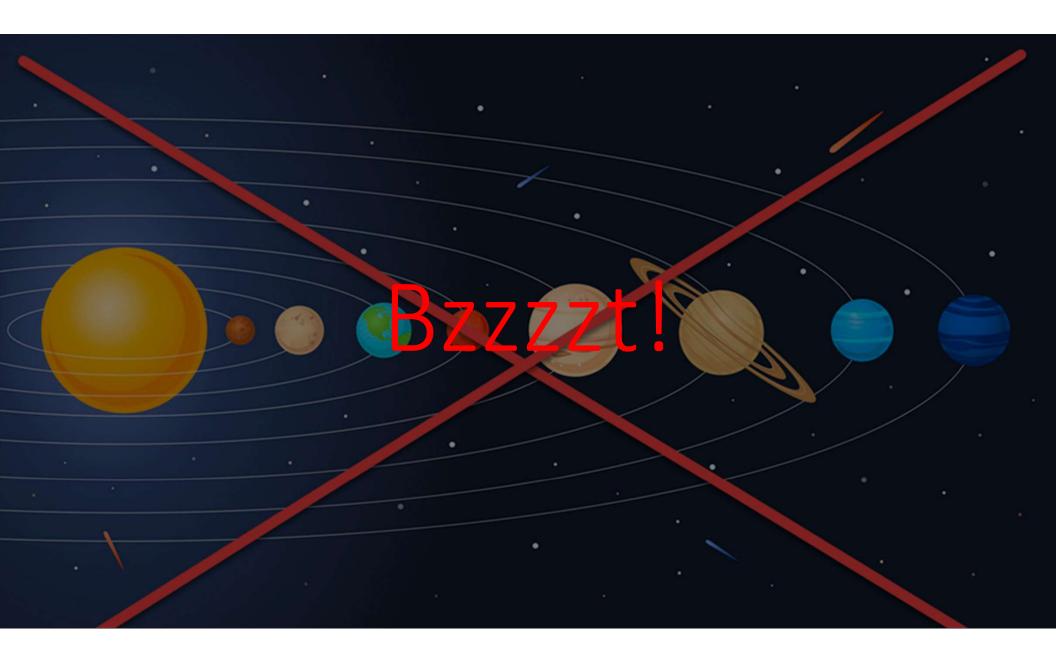








Or this model

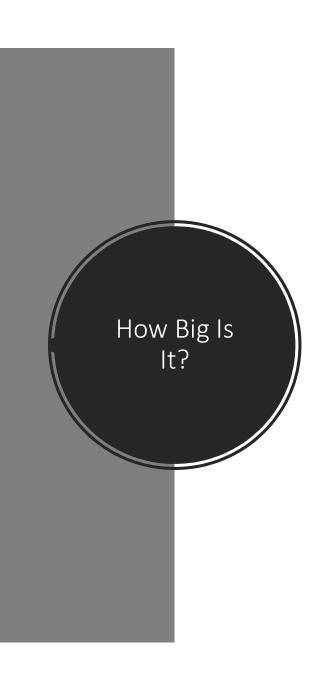


The first image of earth ever captured by humans Apollo 8





You develop an instant global consciousness, a people orientation, an intense dissatisfaction with the state of the world, and a compulsion to do something about it. From out there on the moon, international politics look so petty. You want to grab a politician by the scruff of the neck and drag him a quarter of a million miles out and say, "Look at that, you son of a bitch." Ed Mitchell on seeing the Earth from the Moon



7,915 miles in diameter



24,865 miles in circumference

Can We Grasp It?





What if we made earth the size of a golf ball?

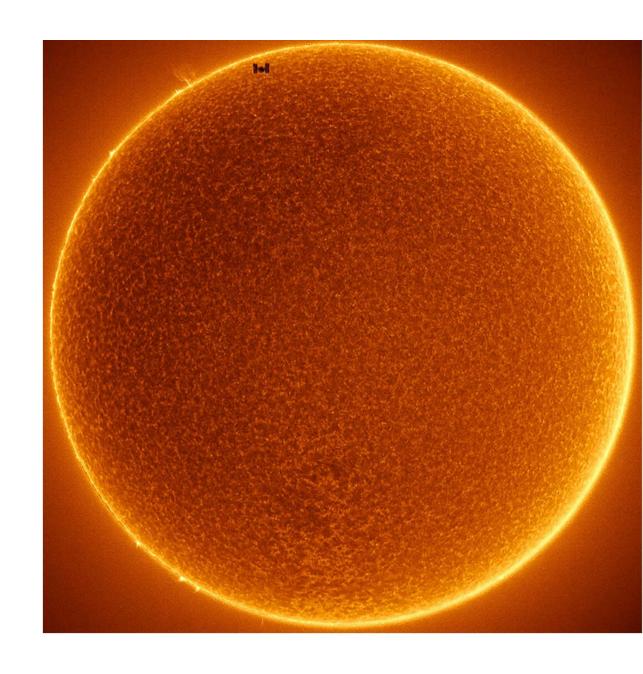
The Earth Compared to A Golf Ball

Item	Size	Units
Diameter of Earth (miles)	7,918	miles
Diameter of Golf Ball (inches)	1.68	inches
Scale	298,602,857	

The Sun!

My mom calls me son because I'm so bright

How big is it?



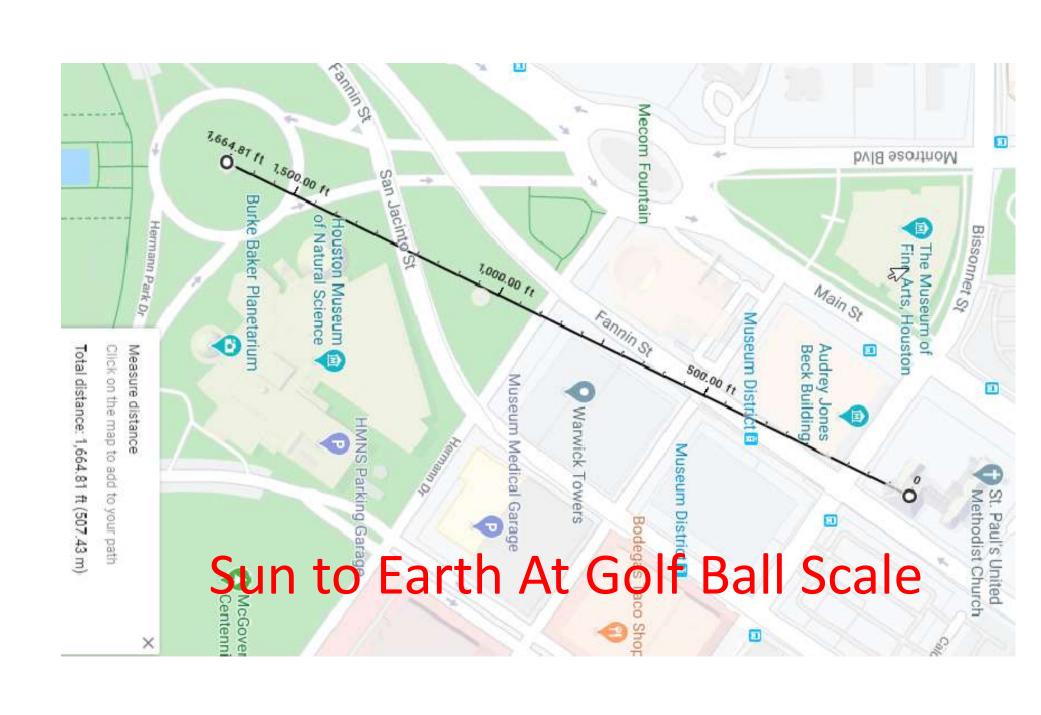
And... What If We Shrunk the Sun!

Item	Size	Units
Diameter of Sun (miles)	864,370	miles
At Scale of Golf Ball (inches)	183.41	inches
At Scale of Golf Ball (feet)	15.28	feet

More than 100 times the diameter of the earth

How Far Is the Earth From the Sun?

Item	Size	Units
Distance Earth to Sun (miles)	92,956,000	miles
At Scale of Golf Ball (feet)	1,643.68	feet
At Scale of Golf Ball (miles)	0.31	miles







What If We Shrunk Jupiter The largest planet in the solar system?

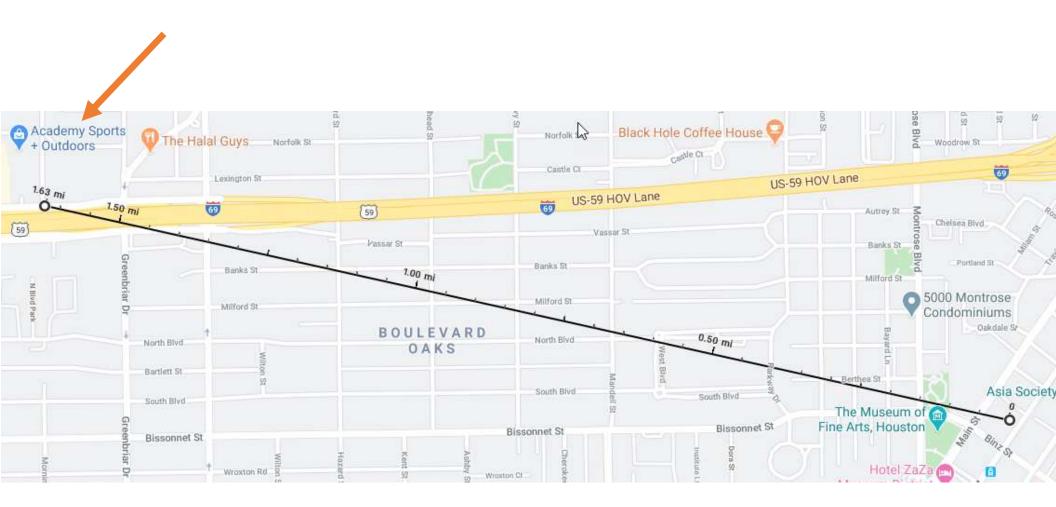
Item	Size	Units
Diameter of Jupiter (miles)	86881	miles
At Scale of Golf Ball (inches)	18.44	inches
At Scale of Golf Ball (feet)	1.54	feet



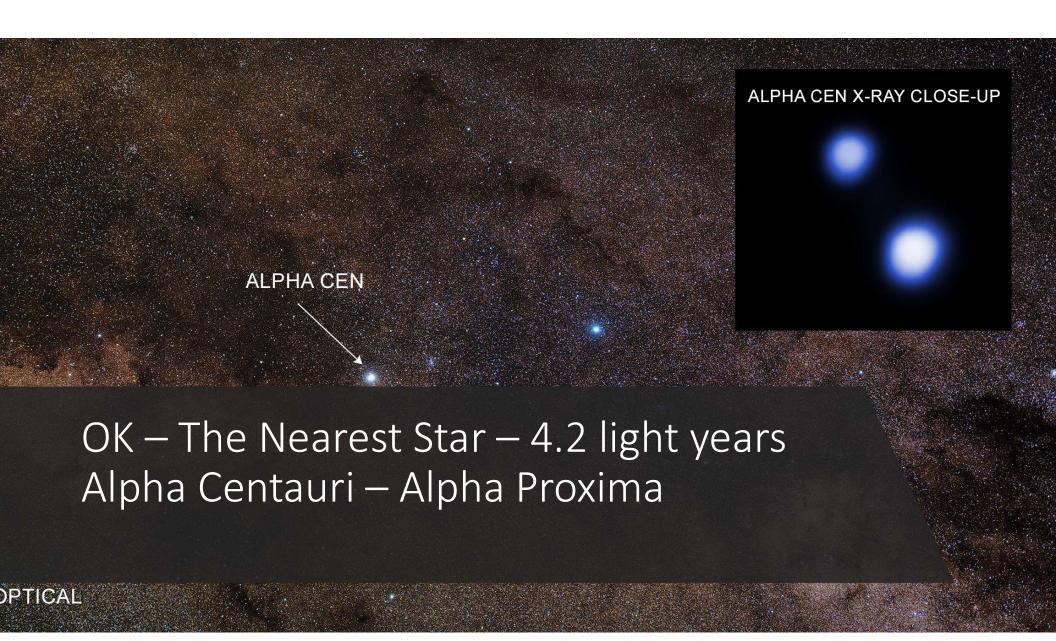
Jupiter At Golf Ball Size

How Far Is Jupiter From the Sun

Item	Size	Units
Distance Jupiter to Sun (miles)	484,630,000	miles
At Scale of Golf Ball (feet)	8,569.40	feet
At Scale of Golf Ball (miles)	1.62	miles



Sun to Jupiter At Golf Ball Scale



How Far to Alpha/Proxima Centauri?

Item	Size	Units
Nearest Star - Promixa Centauri	4.22	light years
Nearest Star - Promixa Centauri	24,809,380,000,000	24 trillion miles

And At Golf Ball Scale?

Item	Size	Units
At Scale of Golf Ball (miles)	83,085	miles

83,085 miles



How Far to the Andromeda Galaxy

Item	Size	Units
Nearest Galaxy - Andromeda	2.5 million	light years
At Golf Ball Scale	49,220,895,408	49 trillion miles

49 trillion miles At golf ball scale

