

# THUMB



JOHN GUY

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COLLICK



RAGGED CLAWS

JOHN GUY

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COLLICK



Coffee Stain

# *Goat Simulator*



Score: 6951

LIGHTING ABOUT TO BE REHEAT

[Eat Grass]  
Eat a piece of grass and keep it for 10 seconds



SCORE 138295

+4

FLIPPING EASY

PERFORM A SUCCESSFUL 360 FRONT-OR BACKFLIP.

2000

2000 X 1

REACH FOR THE STARS!

REACH FOR THE STARS!



**Fernand Braudel**

**The Structures  
of Everyday Life**

Civilization & Capitalism 15th-18th Century Volume 1

"Braudel deserves a Nobel Prize." — J. H. Plumb, *The Washington Post*



**Fernand Braudel**

**The Wheels  
of Commerce**

Civilization & Capitalism 15th-18th Century Volume 2

"Confirms his rank as prince among living historians."  
—William H. McNeil, *The New Republic*



**Fernand Braudel**

**The Perspective  
of the World**

Civilization & Capitalism 15th-18th Century Volume 3

"A great book by a great historian."  
—Eric R. Wolf, *New York Times Book Review*







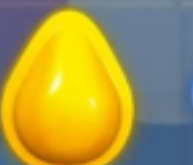









# Europa Universalis IV







 0/1
  0/2

**Moves:**  
33

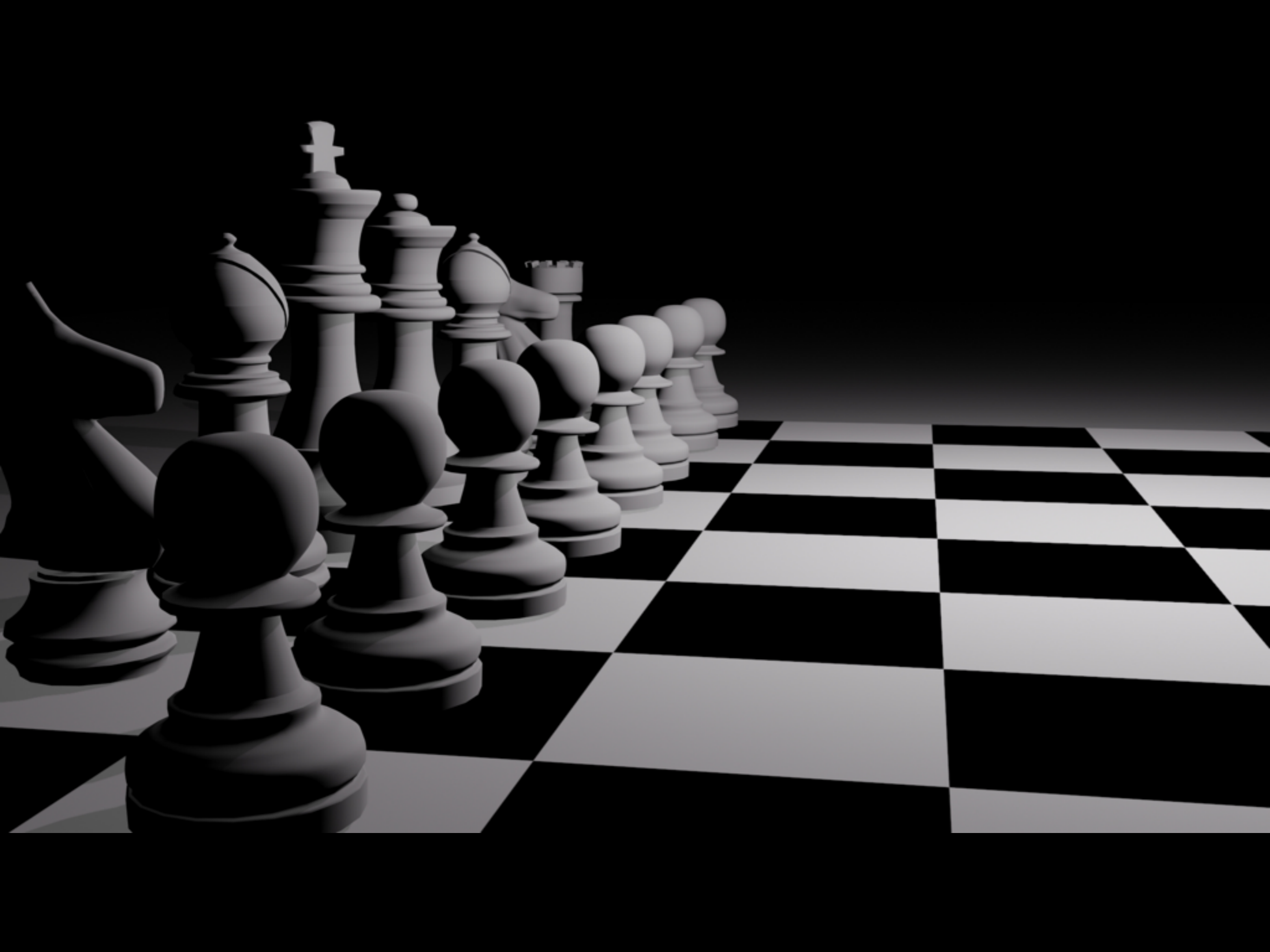
**Score:**  
4520





# Flappy Bird









# Diplomacy



THE GAME OF  
INTERNATIONAL  
INTRIGUE

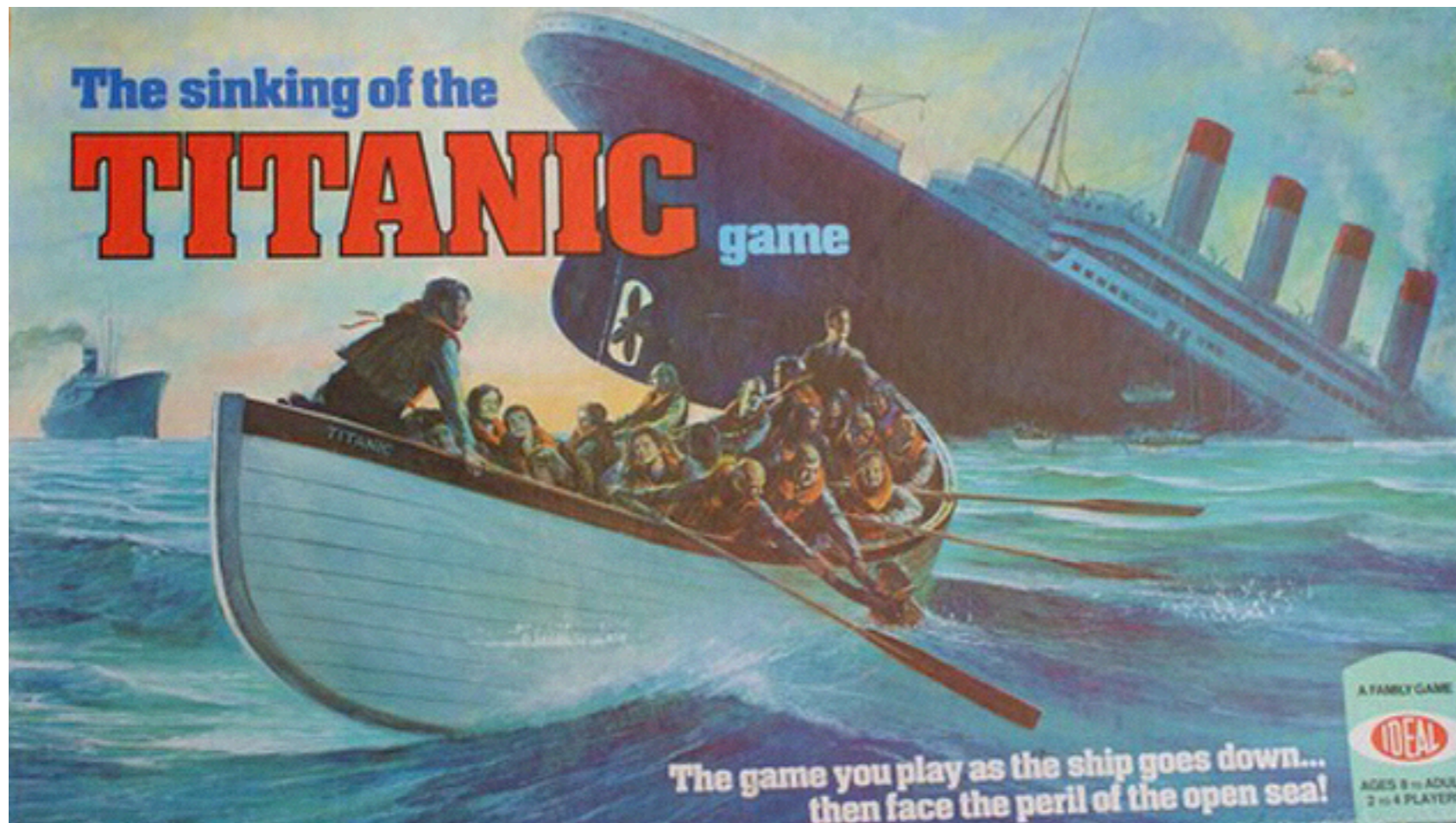


140 Metal Miniatures Included!



Ages 12 and up

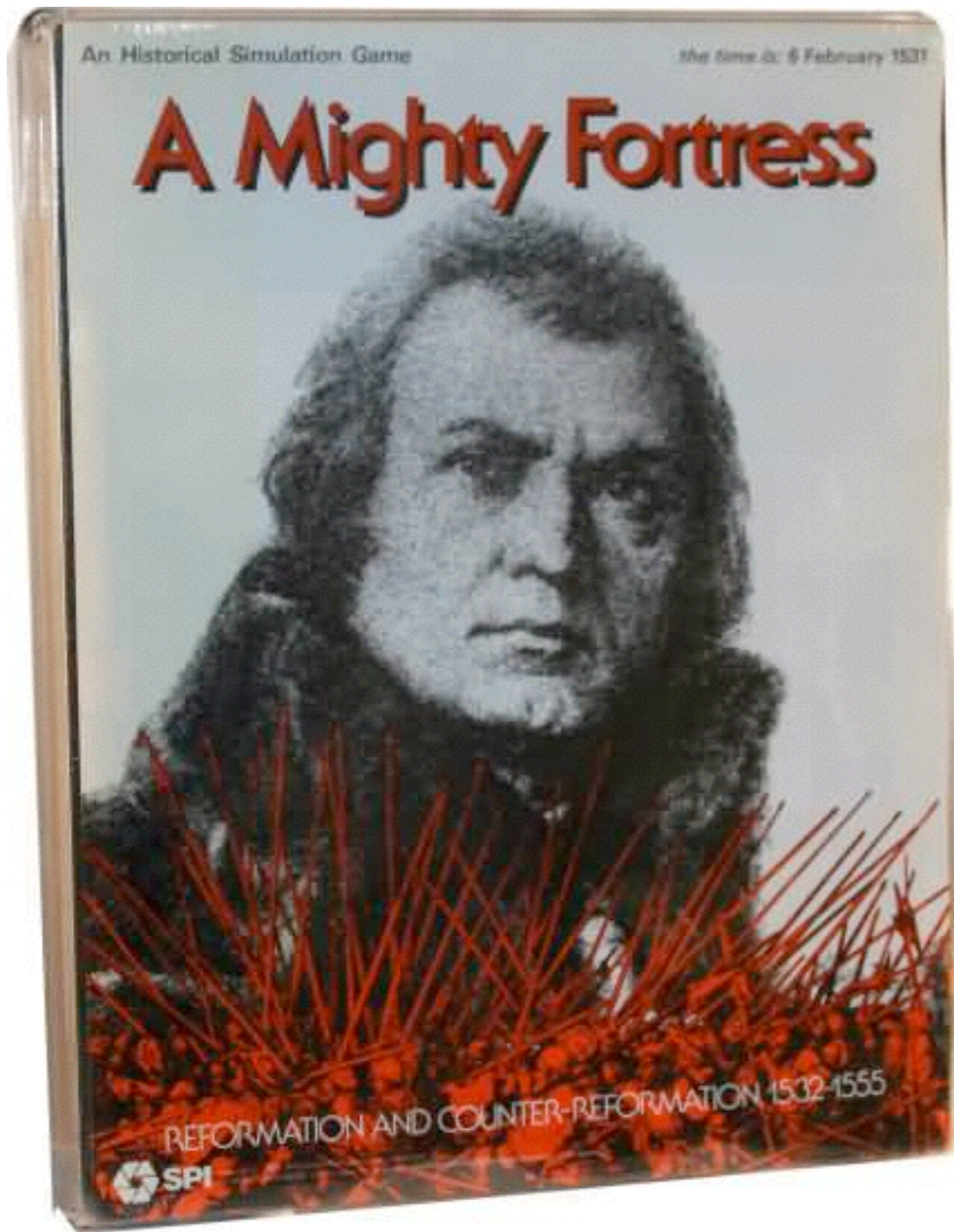














3,500 BCE







1800s - 1960s

Parlour Games

1970s - 1990s

Simulation Games

Role Playing Games

1990s - 2000

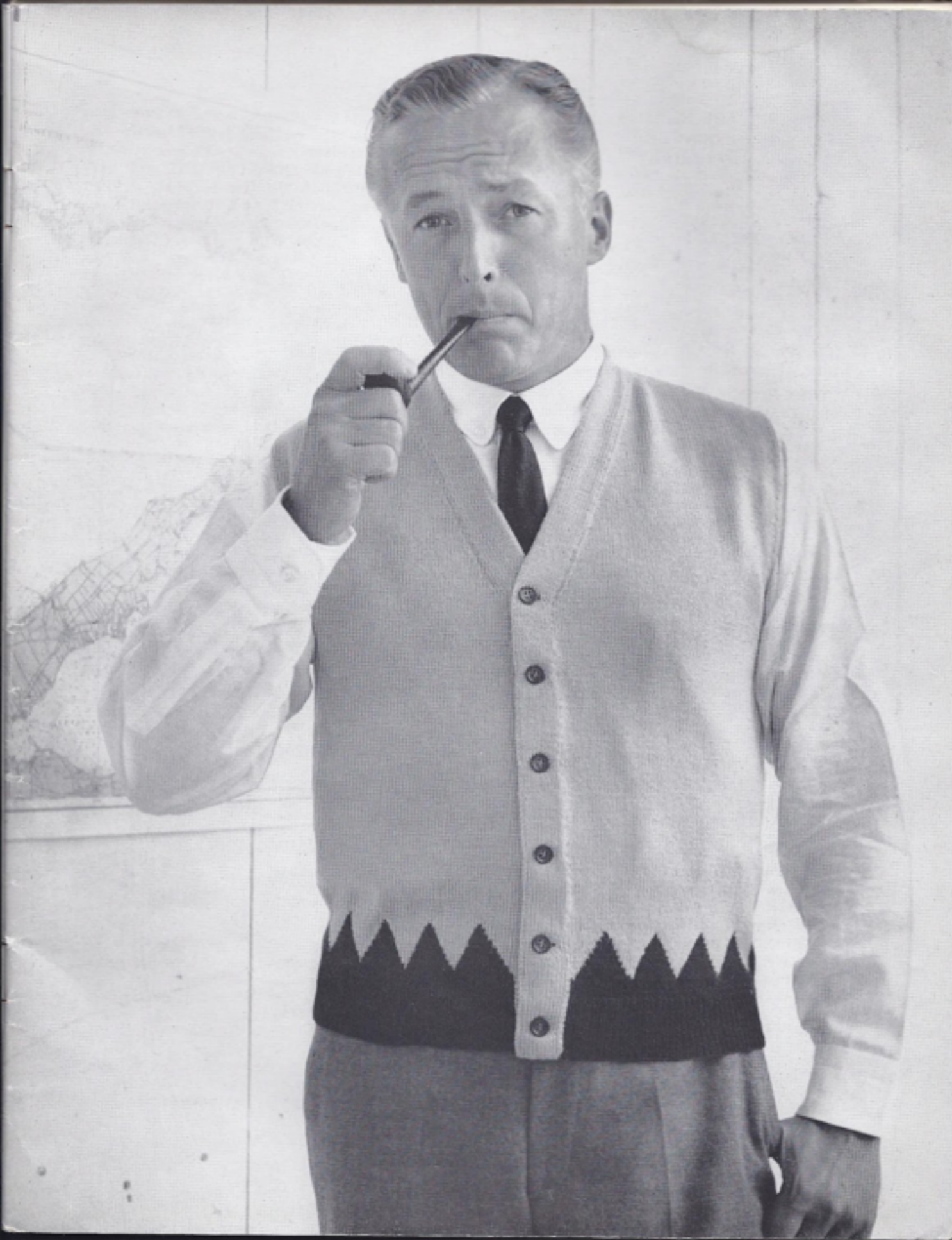
PC: Platformers/Early FPS/Sim Games

2005 - Present

Console Games/MMORPG

# Floor Games and Little Wars (1911)





# StarForce

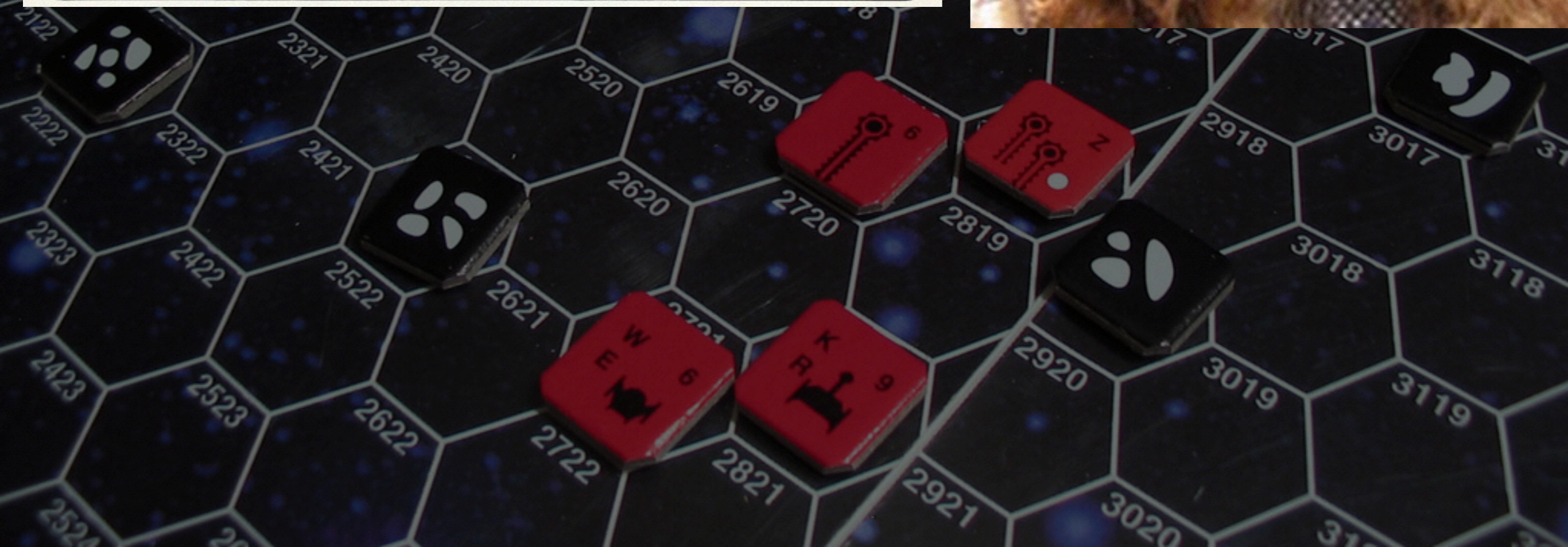
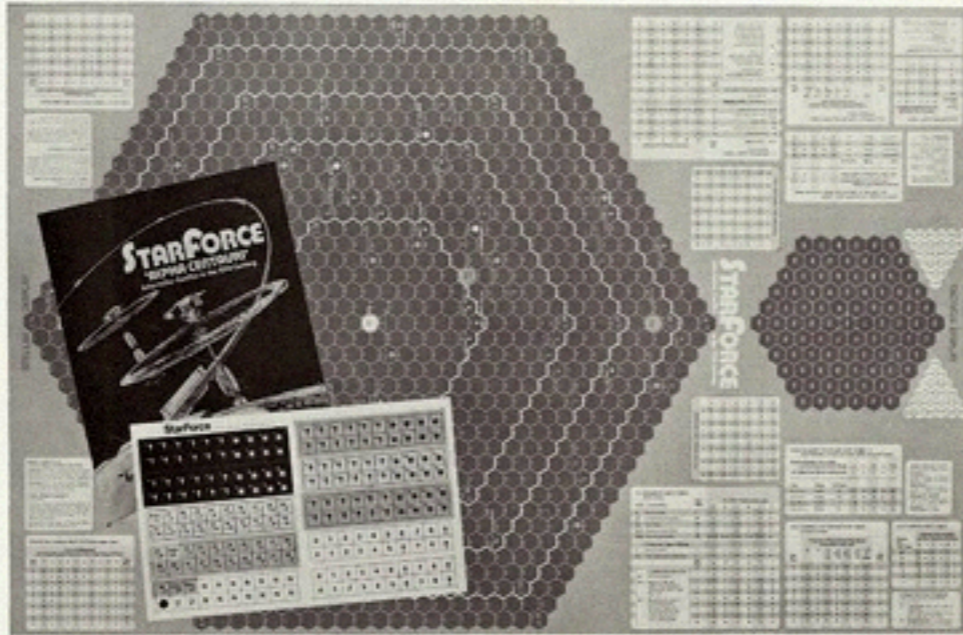
Interstellar Conflict in the 25th Century

Five centuries from now, the human race leaps out to gain the stars. The political stresses of far-flung colonies produce conflict and revolution. The "arm of decision" is the fleet of StarForces jumping across the light-years to dominate and control the space around the planets. Competing intelligent races challenge the expansionist humans and war on the widest scale develops.

*StarForce* is a strategic and tactical game simulating the conditions and technology under which interstellar war could be possible. Players "shift" their StarForce counters through Stellar Display doing combat with each other to control specific stars. *StarForce* is actually two games in one: the Basic Game which is played exclusively on the large star map, and the Advanced Game which combines Basic Game play with tactical maneuvering on the smaller Tactical Display. All movement in the game is performed simultaneously in three dimensions (by plotting coordinates and writing orders in advance of execution). Multiple scenarios trace the course of interstellar conflict over the centuries as human/non-human conflicts and alliances develop and dissolve.

*StarForce* is a highly unusual game of space warfare involving sophisticated maneuver and combat decisions.

- Simultaneous, three-dimensional conflict
- Strategic and Tactical maps
- Unique combat resolution system





Ponyo

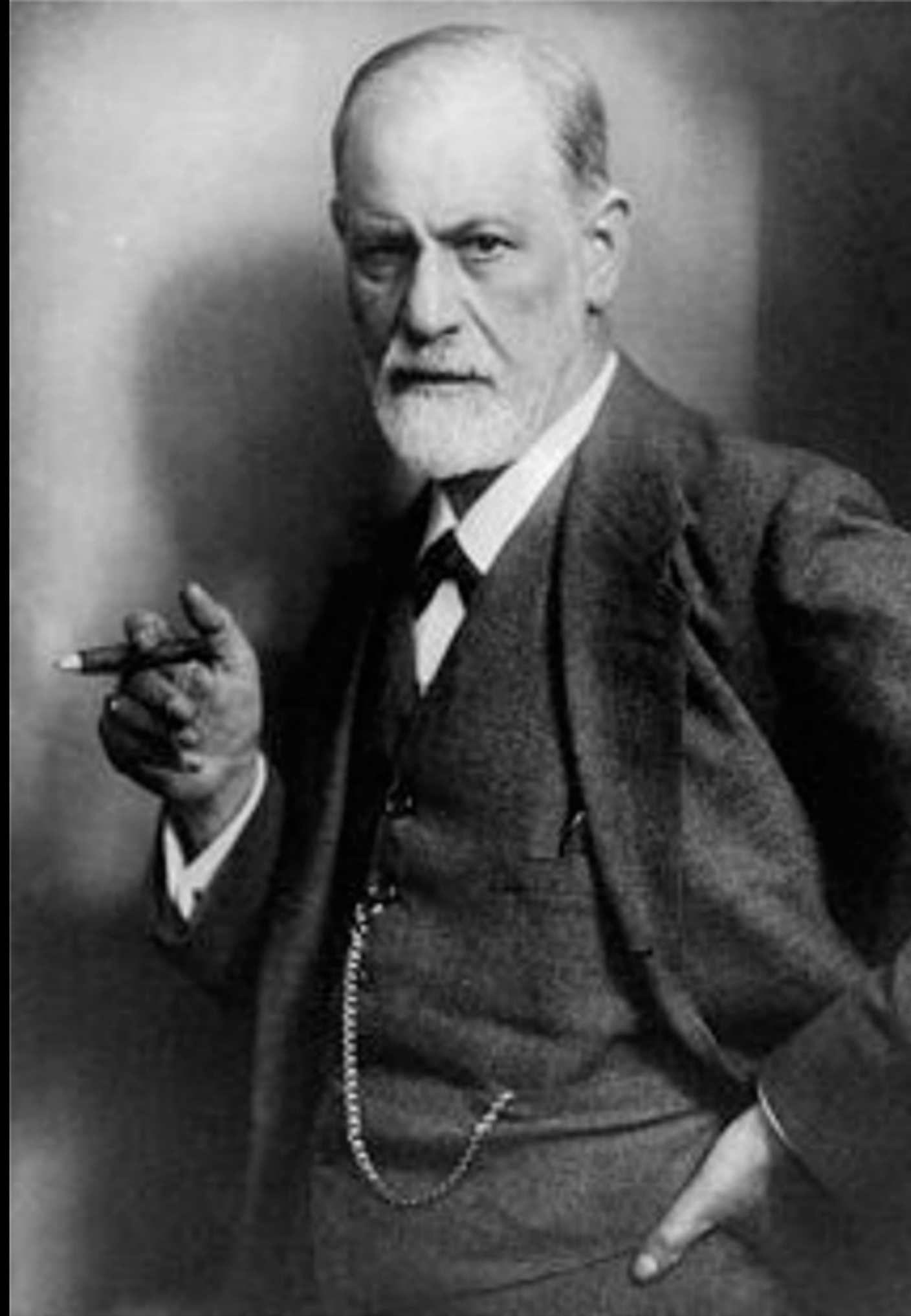
Tonkinese

(Siamese x Burmese)

The Pleasure Principle

*Fort...*

*Da...*





We learn through play



Frequent incremental success



Angry Birds

GTA IV

“Safe” controlled stress



# Economic/Social system modelling

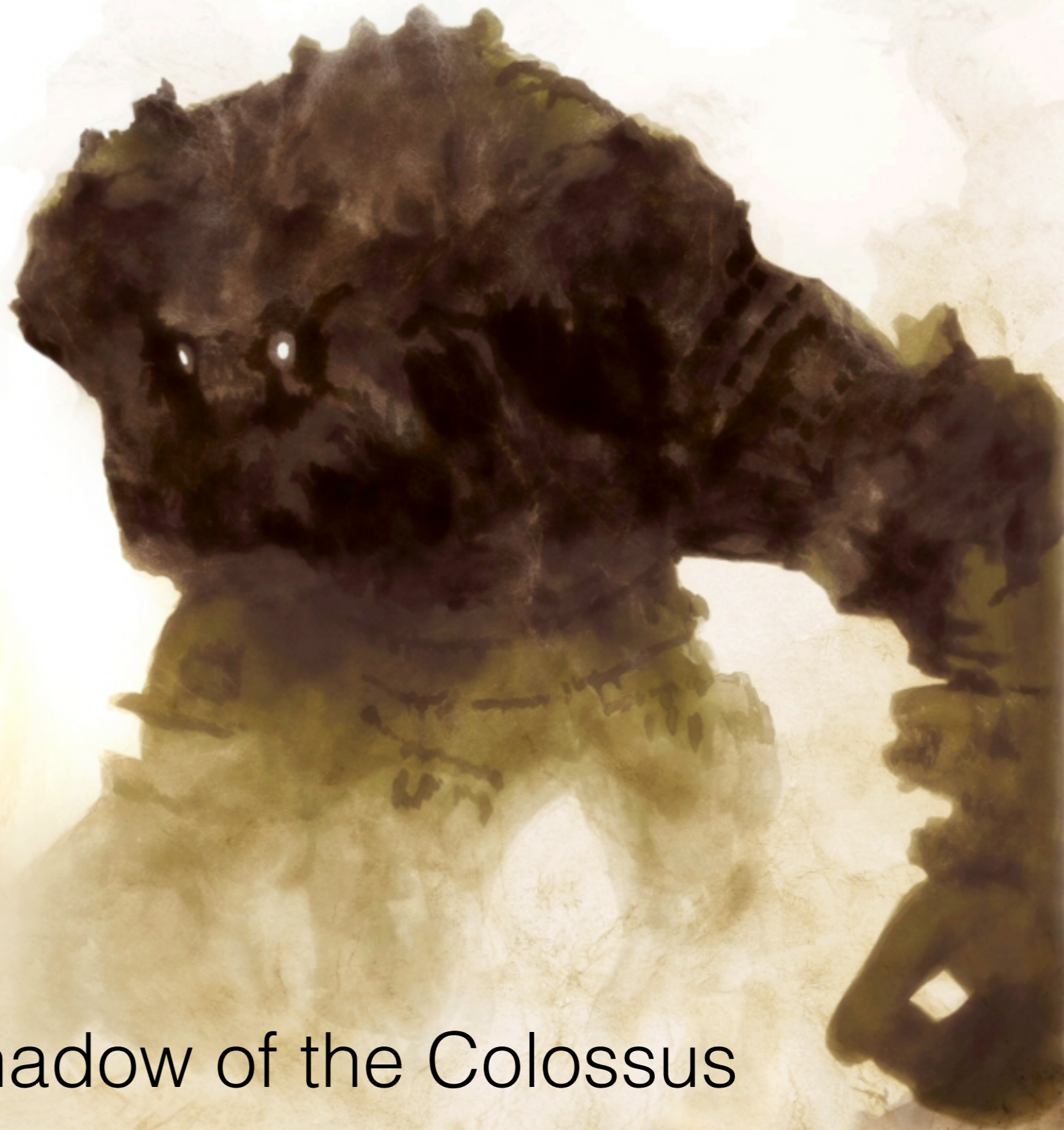
Eve Online



# Moral Choices



The Shadow of the Colossus



# Sandbox Collaboration



# Educational Games

Green is first.

Red is right between Yellow and Blue.

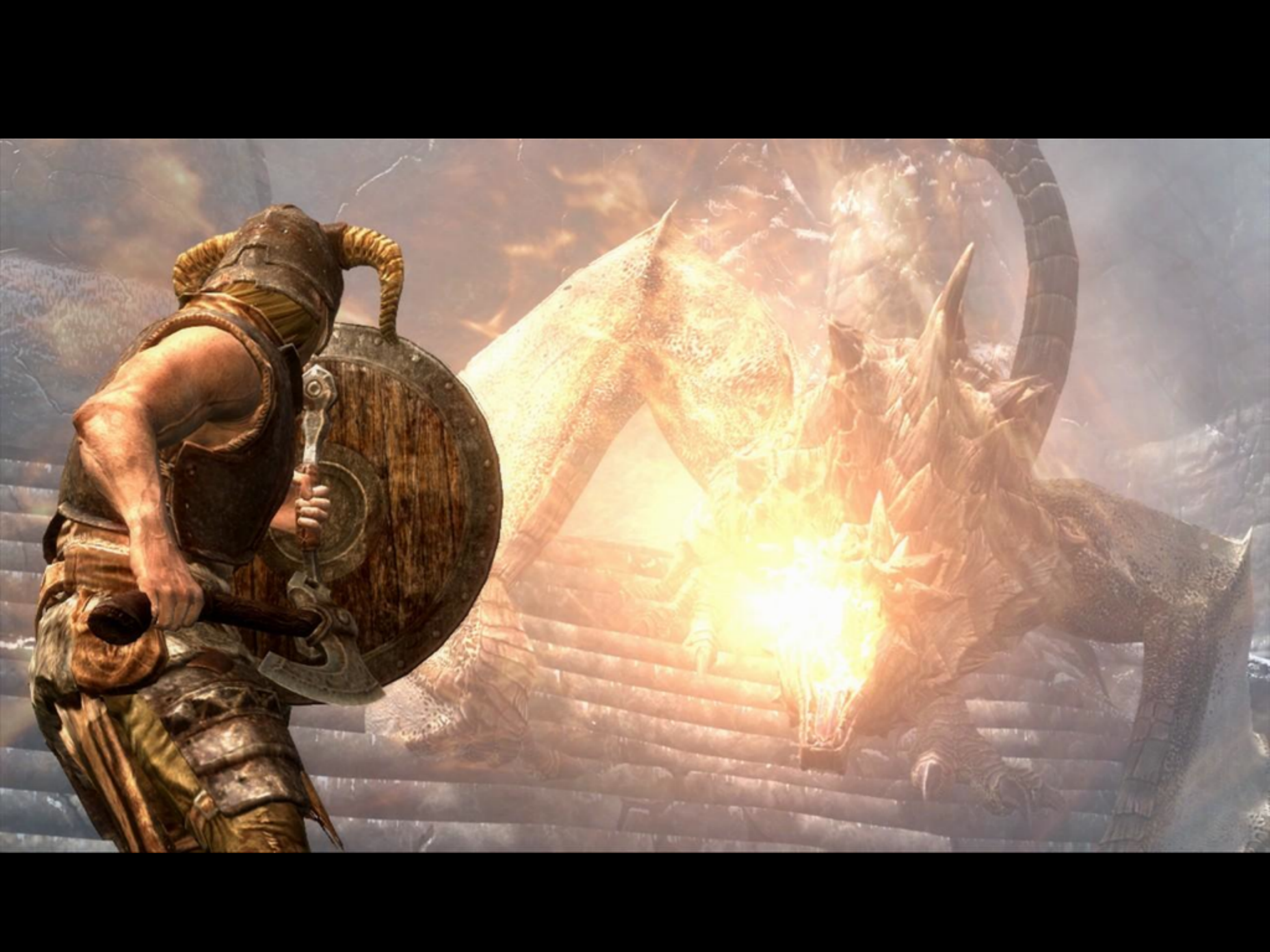
Red is in the middle seat.

Yellow is next to Green.

Purple is in the seat that's left.







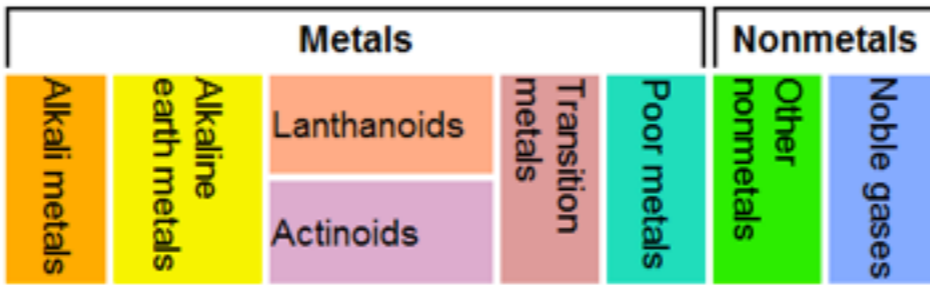
Motivation



# Periodic Table of Elements

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18												
1	<b>H</b> Hydrogen 1.00794	Atomic # Symbol Name Atomic Mass																2	<b>He</b> Helium 4.002602											
2	<b>Li</b> Lithium 6.941	<b>Be</b> Beryllium 9.012182																	3	<b>B</b> Boron 10.811	4	<b>C</b> Carbon 12.0107	5	<b>N</b> Nitrogen 14.0067	6	<b>O</b> Oxygen 15.9994	7	<b>F</b> Fluorine 18.9984032	8	<b>Ne</b> Neon 20.1797
3	<b>Na</b> Sodium 22.98976928	<b>Mg</b> Magnesium 24.3050																	13	<b>Al</b> Aluminium 26.9815385	14	<b>Si</b> Silicon 28.0855	15	<b>P</b> Phosphorus 30.973762	16	<b>S</b> Sulfur 32.065	17	<b>Cl</b> Chlorine 35.453	18	<b>Ar</b> Argon 39.948
4	<b>K</b> Potassium 39.0983	<b>Ca</b> Calcium 40.078	<b>Sc</b> Scandium 44.955912	<b>Ti</b> Titanium 47.867	<b>V</b> Vanadium 50.9415	<b>Cr</b> Chromium 51.9961	<b>Mn</b> Manganese 54.938045	<b>Fe</b> Iron 55.845	<b>Co</b> Cobalt 58.933195	<b>Ni</b> Nickel 58.6934	<b>Cu</b> Copper 63.546	<b>Zn</b> Zinc 65.38	<b>Ga</b> Gallium 69.723	<b>Ge</b> Germanium 72.64	<b>As</b> Arsenic 74.92160	<b>Se</b> Selenium 78.96	<b>Br</b> Bromine 79.904	<b>Kr</b> Krypton 83.798												
5	<b>Rb</b> Rubidium 85.4678	<b>Sr</b> Strontium 87.62	<b>Y</b> Yttrium 88.90585	<b>Zr</b> Zirconium 91.224	<b>Nb</b> Niobium 92.90638	<b>Mo</b> Molybdenum 95.96	<b>Tc</b> Technetium (97.9072)	<b>Ru</b> Ruthenium 101.07	<b>Rh</b> Rhodium 102.90550	<b>Pd</b> Palladium 106.42	<b>Ag</b> Silver 107.8682	<b>Cd</b> Cadmium 112.411	<b>In</b> Indium 114.818	<b>Sn</b> Tin 118.710	<b>Sb</b> Antimony 121.760	<b>Te</b> Tellurium 127.60	<b>I</b> Iodine 126.90447	<b>Xe</b> Xenon 131.293												
6	<b>Cs</b> Caesium 132.9054519	<b>Ba</b> Barium 137.327	57-71	<b>Hf</b> Hafnium 178.49	<b>Ta</b> Tantalum 180.94788	<b>W</b> Tungsten 183.84	<b>Re</b> Rhenium 186.207	<b>Os</b> Osmium 190.23	<b>Ir</b> Iridium 192.217	<b>Pt</b> Platinum 195.084	<b>Au</b> Gold 196.966569	<b>Hg</b> Mercury 200.59	<b>Tl</b> Thallium 204.3833	<b>Pb</b> Lead 207.2	<b>Bi</b> Bismuth 208.98040	<b>Po</b> Polonium (208.9824)	<b>At</b> Astatine (208.9871)	<b>Rn</b> Radon (222.0176)												
7	<b>Fr</b> Francium (223)	<b>Ra</b> Radium (226)	89-103	<b>Rf</b> Rutherfordium (261)	<b>Db</b> Dubnium (262)	<b>Sg</b> Seaborgium (266)	<b>Bh</b> Bohrium (264)	<b>Hs</b> Hassium (277)	<b>Mt</b> Meitnerium (268)	<b>Ds</b> Darmstadtium (271)	<b>Rg</b> Roentgenium (272)	<b>Uub</b> Ununbium (285)	<b>Uut</b> Ununtrium (284)	<b>Uuq</b> Ununquadium (289)	<b>Uup</b> Ununpentium (288)	<b>Uuh</b> Ununhexium (292)	<b>Uus</b> Ununseptium	<b>Uuo</b> Ununoctium (294)												

- C** Solid
- Hg** Liquid
- H** Gas
- Rf** Unknown



For elements with no stable isotopes, the mass number of the isotope with the longest half-life is in parentheses.

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57 <b>La</b> Lanthanum 138.90547	58 <b>Ce</b> Cerium 140.116	59 <b>Pr</b> Praseodymium 140.90765	60 <b>Nd</b> Neodymium 144.242	61 <b>Pm</b> Promethium (145)	62 <b>Sm</b> Samarium 150.36	63 <b>Eu</b> Europium 151.964	64 <b>Gd</b> Gadolinium 157.25	65 <b>Tb</b> Terbium 158.92535	66 <b>Dy</b> Dysprosium 162.500	67 <b>Ho</b> Holmium 164.93032	68 <b>Er</b> Erbium 167.259	69 <b>Tm</b> Thulium 168.93421	70 <b>Yb</b> Ytterbium 173.054	71 <b>Lu</b> Lutetium 174.9668
89 <b>Ac</b> Actinium (227)	90 <b>Th</b> Thorium 232.03806	91 <b>Pa</b> Protactinium 231.03688	92 <b>U</b> Uranium 238.02891	93 <b>Np</b> Neptunium (237)	94 <b>Pu</b> Plutonium (244)	95 <b>Am</b> Americium (243)	96 <b>Cm</b> Curium (247)	97 <b>Bk</b> Berkelium (247)	98 <b>Cf</b> Californium (251)	99 <b>Es</b> Einsteinium (252)	100 <b>Fm</b> Fermium (257)	101 <b>Md</b> Mendelevium (258)	102 <b>No</b> Nobelium (259)	103 <b>Lr</b> Lawrencium (262)

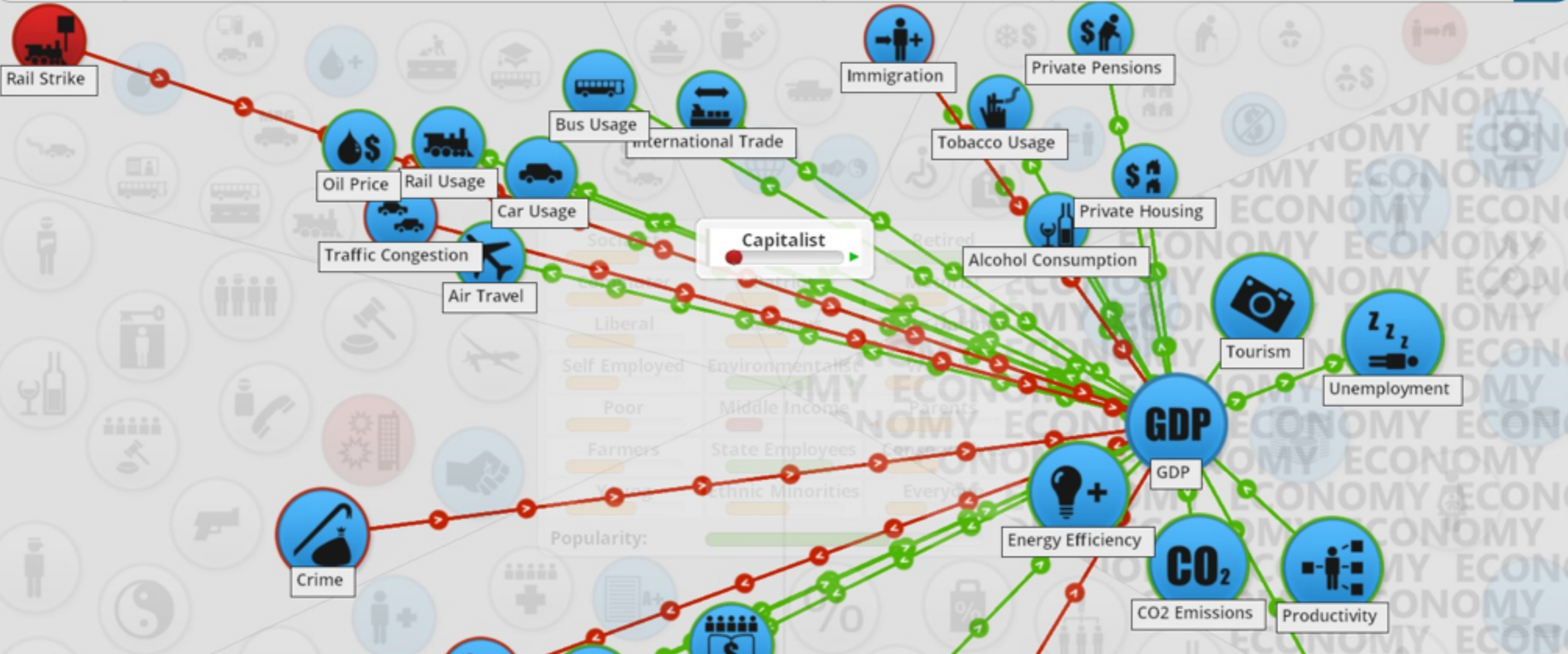
# Socialisation



# System Modeling



x16
Income: £118.38 Bn
Expenditure: -£137.10 Bn
Deficit: £18.71 Bn
Debt: £754.63 Bn



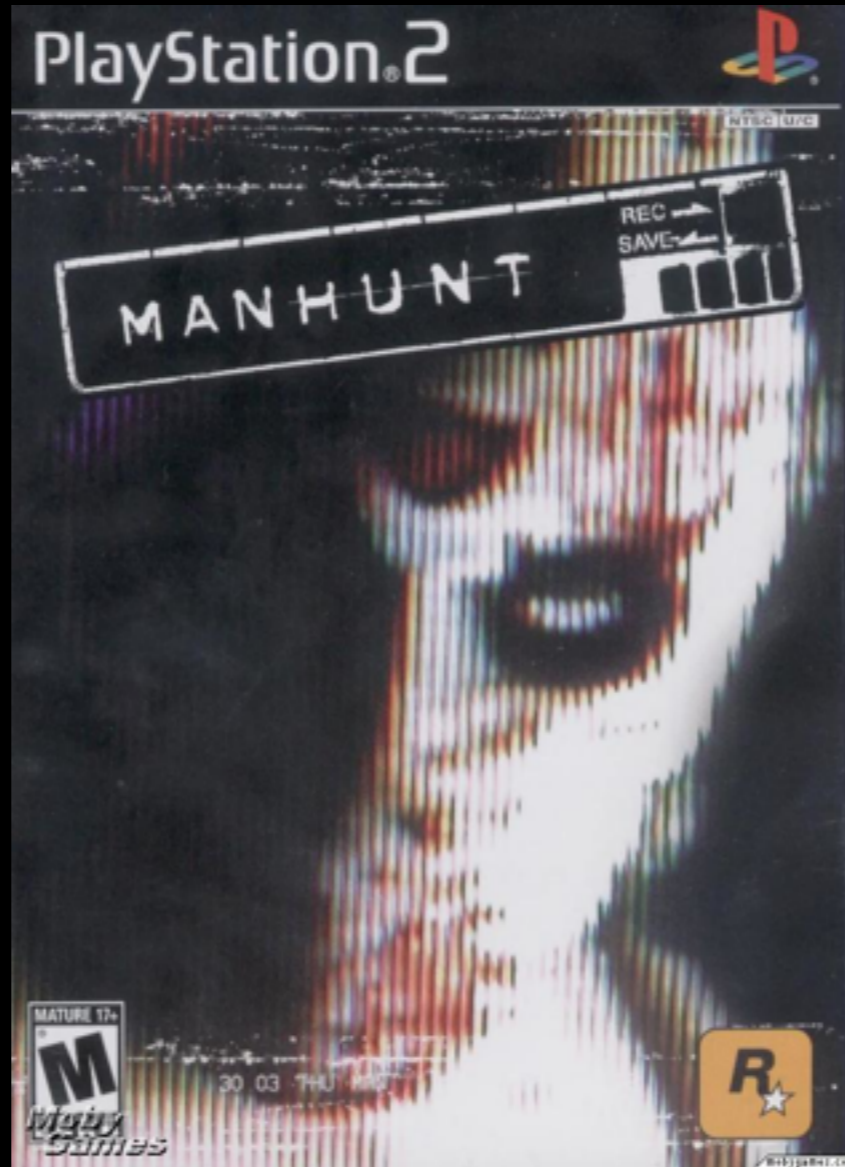
# How can we use games in class?

1. Using Computer Games for ideas
2. Using Computer games for simulating/  
number crunching
3. Using Role Playing Games for activities
4. Using Board Games/RPGs for simulation
5. Designing games to teach
6. Designing games to model the world



# Violence in Games





Copyrighted Material

MARTIN BARKER  
A HAUNT OF  
FEARS



The Strange History of the  
British Horror Comics Campaign

Copyrighted Material



1950s - Horror Comics

(1960s Rock & Roll)



1980s - Video Nasties



2000 - PC Games

The kids are doing stuff we don't understand  
...in their rooms with the lights off

... and it's American !!!



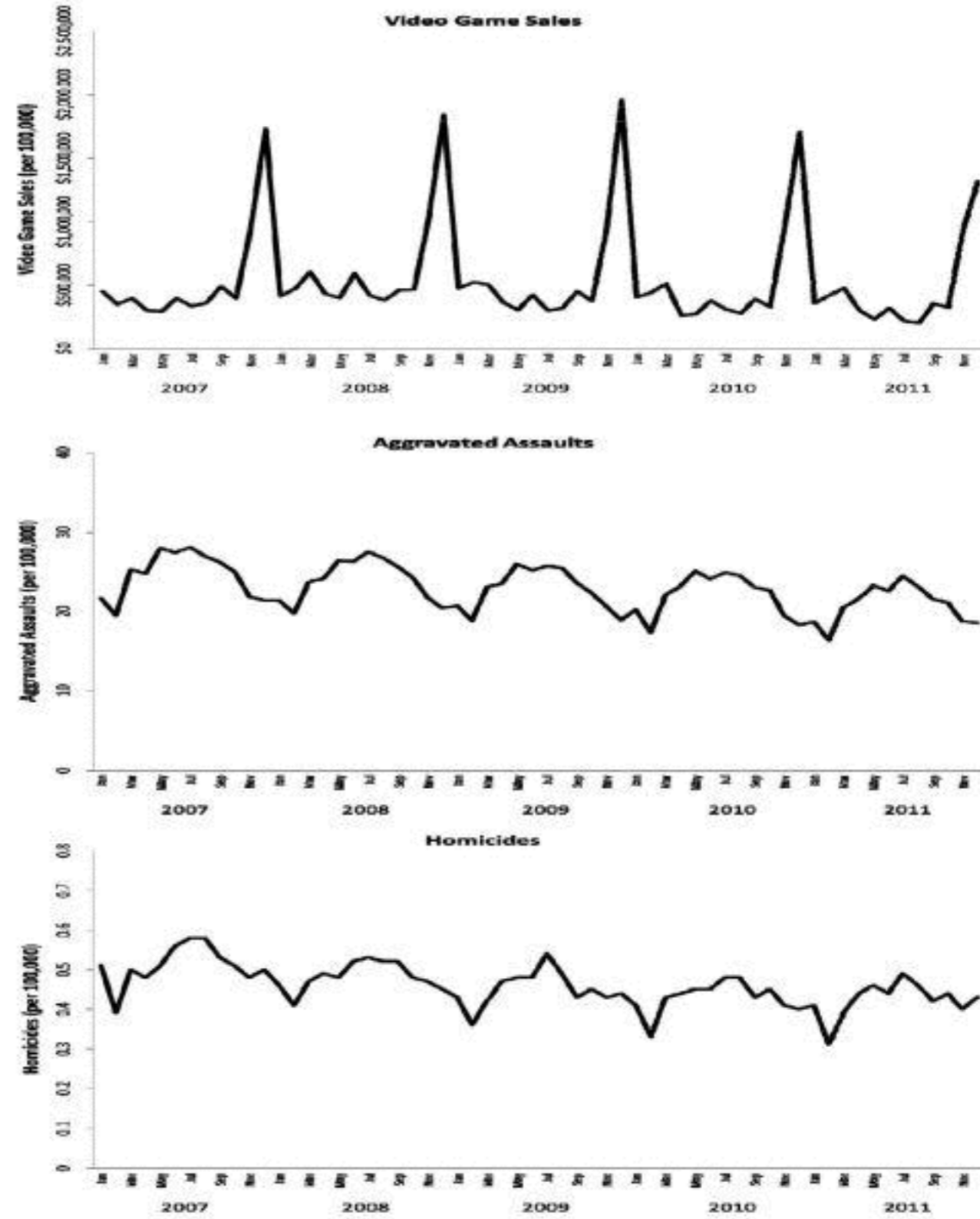


Figure 3. Monthly changes in video game sales and violent crime between 2007 and 2011.





THE  
OLD  
VIC



The Old Vic and Sonia Friedman Productions present Kristin Scott Thomas

# ELECTRA



© NIGEL NORRINGTON



# Gender Stereotyping



# Gamersgate

“Gamers as we knew and stereotyped them—white, male nerds with deep-seeded fears of both reality and women—were going extinct”

“many people feeling upset that the video game space has been so heavily politicized with a left-leaning, feminist-driven slant.”

# Moral Consequences

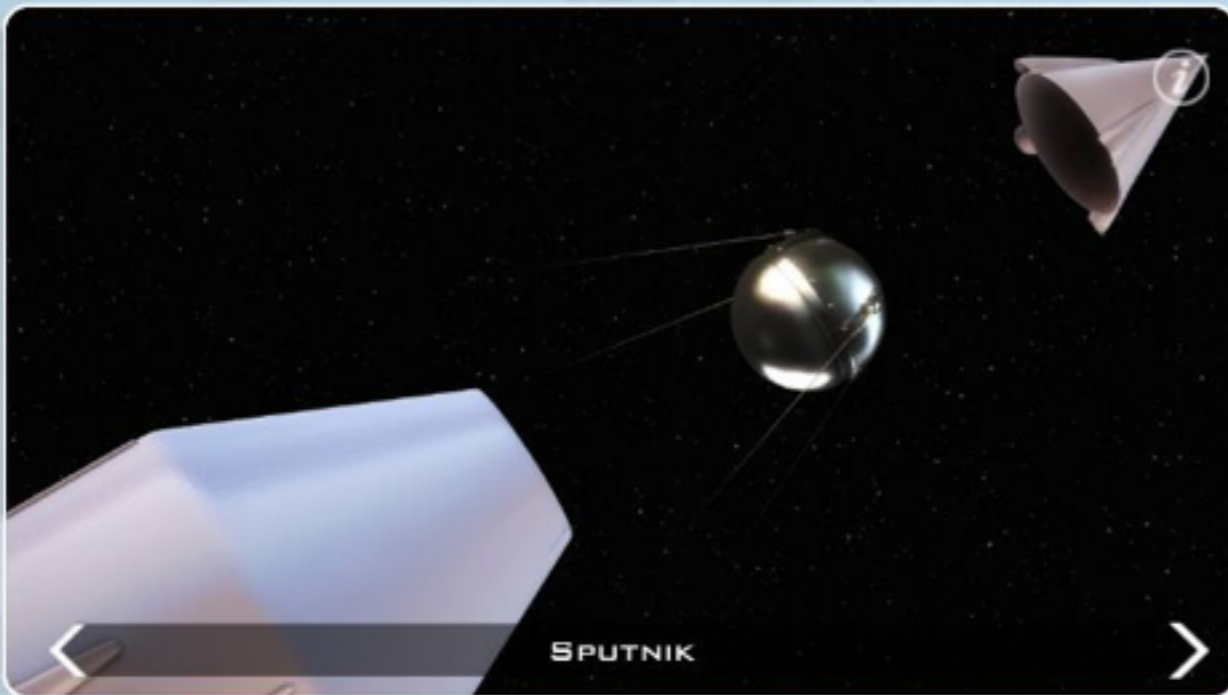




# Simulation Games

# Buzz Aldrin: Space Program Manager

## MISSION CONFIGURATION SELECTION



## MISSION COMPONENTS REQUIRED



R&D MISSION COMPONENTS

SCHEDULE MISSION

## ADVISOR



### MISSION SUMMARY

Points Earned/Deducted	1400/188
Payload Masses Per Launch	86 kg
Flight Controllers Required	3
Astronauts Required	0
Mission Components	?
Average Reliability	?
Overall Difficulty	10%
Mission Cost	?

## GOALS ACHIEVED



EARTH ORBITING SATELLITE  
PRESTIGE GRANTED: 600



RADIO SIGNALS EMISSION FROM LEO  
PRESTIGE GRANTED: 250



SPUTNIK I SATELLITE  
PRESTIGE GRANTED: 300

PC

paradox  
INTERACTIVE

# CRUSADER KINGS® II

## CHARLEMAGNE



# NARCO GUERRA



# Here I Stand

Wars of the Reformation  
1517-1555

Map Key

- City
- Province
- Sea Area
- Waterway
- Land Area
- Sea Area
- Waterway
- Land Area

**New World Riches Table**

Turn	Inca	Aztec	Maya	Potenti	Colum
2	Depled	Depled	Depled	Elon	Elon
3	Depled	Depled	Depled	Elon	Elon
4	Depled	Depled	Depled	NE	Elon
5	Depled	Depled	Depled	NE	NE
6	Card	NE	Depled	NE	NE
7	Gulfon	Gulfon	Gulfon	Gulfon	NE
8	Card	Card	Card	Card	Gulfon
9	Card	Card	Card	Card	Card
10	Card	Card	Card	Card	Card
11	Card	Card	Card	Card	Card
12	Card	Card	Card	Card	Card

**The New World**

Crossing Atlantic

Commerciation

VP

**Victory Track**

0	1	2	VP	4	5	6	7	8										
9	10	11	VP	13	VP	15	VP	17	18	19	20	21	22	23	24	25	26	27

**Diplomatic Status Display**

	England	France	Spain	Portugal	Italy	Germany	Poland	Sweden	Denmark	Russia	Other
Ottoman	2	2	2	2	1	NA	NA	1			
Hapsburg			4		1	1	1				
England	3	2	1	NA	1	NA					
France	2	1	NA	1	1						
Spain			1	NA	NA	1					
Portugal	1	NA	NA	1							

**Henry's Wheel Progression Chart**

Henry's Wheel Progression Chart

Henry's Wheel Progression Chart

Henry's Wheel Progression Chart

**Turn Track**

Turn	1517-1521	1522-1526	1527-1531	1532-1536	1537-1541	1542-1546	1547-1551	1552-1556
Year								
Religious Leaders								
Military Leaders								
Protestant Deputies								
Papal Deputies								
Cards								



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