**Population Growth Lesson Plan**

**Smith/Patterson**

**Callanan Middle School**

**Day 1:**

Warm Up

 What makes the United States the most powerful country in the world?

Hans Rosling Lecture – 15 min[Link](http://www.gapminder.org/videos/hans-rosling-asias-rise-ted-india/)

1. What happened to India and China for their circles to start to move?

2. What were the graphs axis’s labeled on Rosling’s chart? (Measuring standard of living)

3. What three things did Rosling say that concerned him about India’s future?

4. When did Rosling predict India and China would catch up to the United States?

Discussion – Rosling’s presentation - [Link](http://www.gapminder.org/world/#$majorMode=chart$is;shi=t;ly=2003;lb=f;il=t;fs=11;al=30;stl=t;st=t;nsl=t;se=t$wst;tts=C$ts;sp=5.59290322580644;ti=1851$zpv;v=0$inc_x;mmid=XCOORDS;iid=phAwcNAVuyj1jiMAkmq1iMg;by=ind$inc_y;mmid=YCOORDS;iid=phAwcNAVuyj2tPLxKvvnNPA;by=ind$inc_s;uniValue=8.21;)

Can India surpass the United States?

Developed vs. Under Developed characteristics

 Is this okay?

 Having a large population is both a positive and negative

Pop Quiz – [Link](http://www.worldof7billion.org/images/uploads/Pop_Quiz_7B.pdf)

 (Discuss)

National Geographic Video 3 min - [Link](https://www.youtube.com/watch?v=sc4HxPxNrZ0)

India’s Growing Population Sheet

**Day 2:**

Warm Up

 How is having a large population both a positive and negative for a country?

Statements – How do you feel? - [Link](http://www.worldof7billion.org/images/uploads/7B_Where_Do_You_Stand.pdf)

Population Reading - [Link](http://www.worldof7billion.org/images/uploads/w7b_Seven_Billion_and_Counting.pdf)

Student Worksheet, Version B (Understanding Billions)- [Link](http://www.worldof7billion.org/images/uploads/Math_Path_to_7_Billion.pdf)

Map of Population Growth, 7 min YouTube Video- [Link](http://www.youtube.com/watch?v=9_9SutNmfFk)

What is your reaction to this video?

Does it make you worried?

**Day 3:**

Warm Up

 What has happened to the world’s population over the last one hundred years?

Population Circle Exercise - [Link](http://www.worldof7billion.org/images/uploads/w7b_Population_Circle.pdf)

Population Pyramids

 Different Types = [Link](http://1.bp.blogspot.com/-oICQsGC7DYM/Tj3mukVn1fI/AAAAAAAAHWo/4lRgBJ5i7wY/s1600/Kenya_US_Germany_Pop_Pyramids.gif)

 Timeline = [Link](http://populationpyramid.net/)

Birth and Death Rate

 (Causes and reasons for possible)

Demographer Game - [Link](http://www.pbs.org/wgbh/nova/earth/demographic-data.html)

Myth of Overpopulation, 10 min YouTube Video - [Link](http://www.youtube.com/watch?v=HsAracLBCxI)

**Day 4:**

Warm Up - [Link](http://www.pbs.org/wgbh/nova/assets/img/population-campaign/image-06-large.jpg)

 What is the message of this propaganda poster?

“World in the Balance” Nova Documentary, 53 minute

**Day 5:**

Population CFA

Interdependence of People Simulation - [Link](http://www.worldof7billion.org/images/uploads/w7b_One_for_All.pdf)

**Potential Half Day Lesson**

Gap Minder Card Game - [Link](http://www.gapminder.org/downloads/card-game/)

**Citations**

<http://www.worldof7billion.org/teacher_resources>