

LIFE EXPECTANCY

Learning Materials

<u>Study guide in a</u>
 <u>google doc format</u>

a global classroom

This lesson introduces students to life expectancy as a measure of development and asks them to investigate life expectancy in the U.S. and globally using data from the CDC, Gapminder and Our World in Data. It also also engages students in watching and debriefing a TED Talk called "How humanity doubled life expectancy in a century" and a short video called "The #1 reason people die early, in each country."The lesson features a powerpoint presentation on life expectancy by Gapminder which illustrates how life expectancy is calculated and compares life expectancies in Burundi and Sweden.



Time Requirements

• 2-3 hours

Guiding Questions

- What is life expectancy?
- How does life expectancy differ in countries throughout the world?
- How does life expectancy differ across zip codes in NYC?
- How is life expectancy a useful measure for the development of a country?

Learning Objectives

After this lesson, students will be able to:

- Define life expectancy and explain how it is measured.
- Explain how life expectancy varies across different countries and zip codes.
- Explain how and why life expectancy doubled in the past century.



US Learning Standards

.Common Core

- CCSS.ELA-LITERACY.RH.9-10.1: Cite specific textual evidence to support analysis of primary and secondary sources, attending to such features as the date and origin of the information.
- CCRA.SL.1: Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own clearly and persuasively.
- CCSS.ELA-Literacy.CCRA.SL.2: Integrate and evaluate information presented in diverse media and formats, including visually, quantitatively, and orally.

C3 Framework

- D2.Civ.13.9-12: Evaluate public policies in terms of intended and unintended outcomes, and related consequences.
- D2.Civ.14.9-12: Analyze historical, contemporary, and emerging means of changing societies, promoting the common good, and protecting rights.
- D2.Eco.13.9-12. Explain why advancements in technology and investments in capital goods and human capital increase economic growth and standards of living.

Learning for Justice

• JU.9-12.14: I am aware of the advantages and disadvantages I have in society because of my membership in different identity groups, and I know how this has affected my life.

Links to IBDP Global Politics

Unit: Development		
Learning Outcome	Prescribed Content	Examples
Contested meanings of development	Different definitions of development Measuring development	HDI (based partly on life expectancy)

Unit: Development and Sustainability (First Assessment in 2026)		
Contested meanings	DevelopmentPoverty	
Interactions of political stakeholders and actors	 Marginalized, vulnerable and most affected groups and individuals 	
Nature, Practice and Study of	 Dimensions and assessment of development and sustainability Economic, environmental, political, social and institutional factors 	

Lesson Preview

Sample Pages from the Study Guide

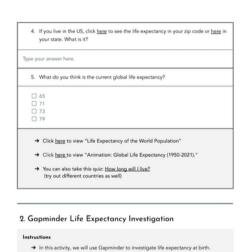


a global classroom



	tions Respond to the following questions and be prepared to share your answers with your classmates.
	DC defines life expectancy as "the average number of years of life a n who has attained a given age can expect to live."
	ased on that definition, what do you think is the greatest predictor of your health ad life expectancy?
	weight
	zip code cholesterol level
Click he	re for more information.
2.	Which countries do you think have some of the highest life expectancies?
Туре ус	vur answer here.
3	Which countries do you think have some of the lowest life expectancies?

LEARNING ACTIVITIES



³ In this accurry, we will use Saprimical to investigate the expectancy at unit.
⁴ If you have never used Gapminder before, click <u>here to watch a video</u> with simple and quick instructions on how to use it and be sure you can answer these three questions:

- structions on how to use it and be sure you can answer these three questions
- What do the bubbles represent?
 What do the sizes of the bubbles represent?
 Who do the colors of the bubble represent?

A. Life Expectancy at Birth

→ Click <u>here</u> to view the graph.
 → Set it to the earliest possible date and click play.

 What does the graph say about the global trend regarding life expectancy? Is life expectancy increasing or decreasing?

Increasing
 decreasing

2. Select three countries. What were their life expectancies in 1900 and in 2022?

Name of country	Life expectancy in 1922	Life expectancy in 2022?
1. Type your answer here.	Type your answer here.	Type your answer here.
2. Type your answer here.	Type your answer here.	Type your answer here.
3. Type your answer here.	Type your answer here.	Type your answer here.

Thank you!

If you have any questions, would like more resources on this topic, or have any issues with this lesson, please reach out at aglobalclass@gmail.com

If you or your students enjoyed this lesson and found it useful, please leave a positive review on <u>teachers pay teachers</u>.



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