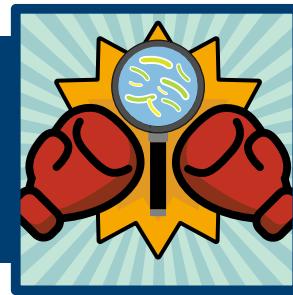


Teacher Directions

UNIT: TUBERCULOSIS

LESSON 3: ME VS. TB - BOOSTING THE IMMUNE SYSTEM TO DEFEAT AN ANCIENT ADVERSARY

ACTIVITY 3B: TEAM UP TO FIGHT TB!



TEXAS BIOMEDICAL
RESEARCH INSTITUTE

HEALTH STARTS WITH SCIENCE

Directions: In this three part activity, students assume the role of an HR specialist and research different careers to support infectious disease research, including education requirements, salaries, and preparing budgets based on graphical data.

You were recently hired as a Human Resource (HR) professional at an infectious disease research institute. You are not a scientist. The institute is focusing on tuberculosis research. You have been tasked to create a proposal for hiring research personnel to support TB research. To get better acquainted with TB research, you need to read the recently published article *Me vs. TB: Boosting the Immune System to Defeat an Ancient Adversary* article. After reading the article, you are given a list of careers started by another person on the HR team. There is space for you to add other careers.

In addition to creating a list of possible careers, you must create a budget proposal to present to the hiring board. Part of the budget proposal needs to include a rationale for some of the recommended positions. Use the article to identify possible careers you think are needed for TB research.



PART ONE: Another member of the HR team started a list for you. Based on the article, review the list and add any other positions you feel necessary. To recruit possible candidates, it is important to include the local institutions (school/college/university) that offer the certification or degree for each career.

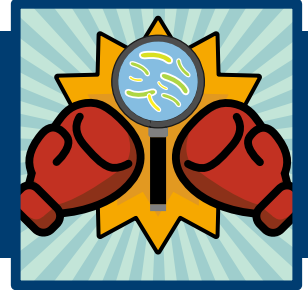
Career	Degree or Certification Local school/college/university offering certification or degree	Salary
Research Assistant		
Bioinformatic Scientist		
Public Health Official		
Graphic Designer		

Teacher Directions

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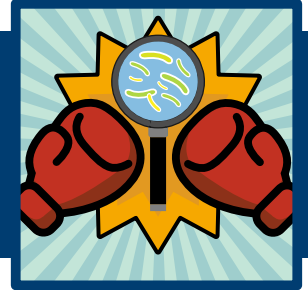
Career	Degree or Certification Local school/college/university offering certification or degree	Salary
Staff Scientist		
Lab Manager		
Epidemiologist		
Immunologist		
Vet Tech		
Accountant		
Grant Writer		

Teacher Directions

UNIT: TUBERCULOSIS

LESSON 3: ME VS. TB - BOOSTING THE IMMUNE SYSTEM TO DEFEAT AN ANCIENT ADVERSARY

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PART TWO: You have been told a vet tech is required for the research. Your HR colleague has provided you with the rationale for a vet tech. Select 2 careers from the above list and provide a brief rationale for why each position would be needed for TB research.

Proposed Position 1: Vet Tech

Rationale: The study calls for use of animals in the research. A vet tech will be needed to care for and administer treatments throughout the study.

Proposed Position 2:

Rationale:

Proposed Position 3:

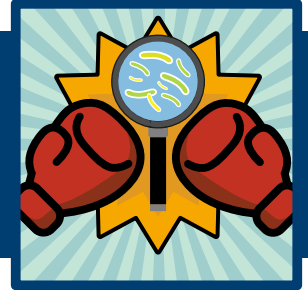
Rationale:

Teacher Directions

UNIT: TUBERCULOSIS

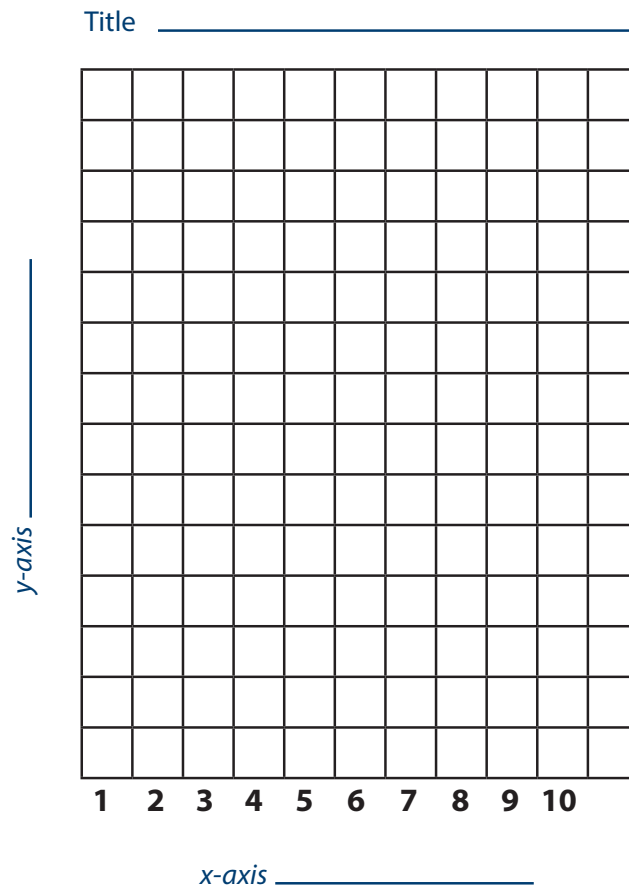
LESSON 3: ME VS. TB - BOOSTING THE IMMUNE SYSTEM TO DEFEAT AN ANCIENT ADVERSARY

ACTIVITY 3B: TEAM UP TO FIGHT TB!



PART THREE: To help you create a budget proposal, create a graph to compare the salary information of your top 10 choices from Part One. On the graph, include the:

- › Graph Title
- › Label the X and Y axis
- › Color code the bars
- › Create a legend connecting the career to the numbers on the X axis

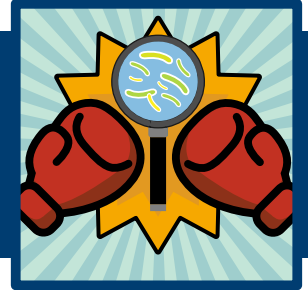


Teacher Directions

UNIT: TUBERCULOSIS

LESSON 3: ME VS. TB - BOOSTING THE IMMUNE SYSTEM TO DEFEAT AN ANCIENT ADVERSARY

ACTIVITY 3B: TEAM UP TO FIGHT TB!



Reflection

You have been given an annual budget of \$538,000/year to staff the TB research. Now that you have created the graph, what would be your most cost-effective proposal for staffing the TB research project? Remember, you must include a vet tech. Include a justification for at least two of the proposed positions.