



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 12 COURSE NAME: Anatomy and Physiology
MEASUREMENT TOPIC: Investigate and Explain the Cardiovascular System

4

In addition to Score 3, the student makes in-depth inferences and applications.

- Engage in argument from evidence regarding possible prevention and treatment options related to the pathology of the cardiovascular system (e.g., myocardial infarction, mitral valve prolapse, varicose veins, arteriosclerosis, anemia, high blood pressure).

3

The student can:

- Explain the relationship between the cardiovascular system and another organ system for maintaining homeostasis.
- Investigate and explain the link between blood pressure and heart rate.
 - include the role of baroreceptors and chemoreceptors
- Create a model to show how a pressure gradient moves blood through the circulatory system

2

The student can:

- Describe the path of blood flow through the heart.
- Illustrate the anatomical structures of the cardiovascular system and describe their main function.

1

With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Key Vocabulary: