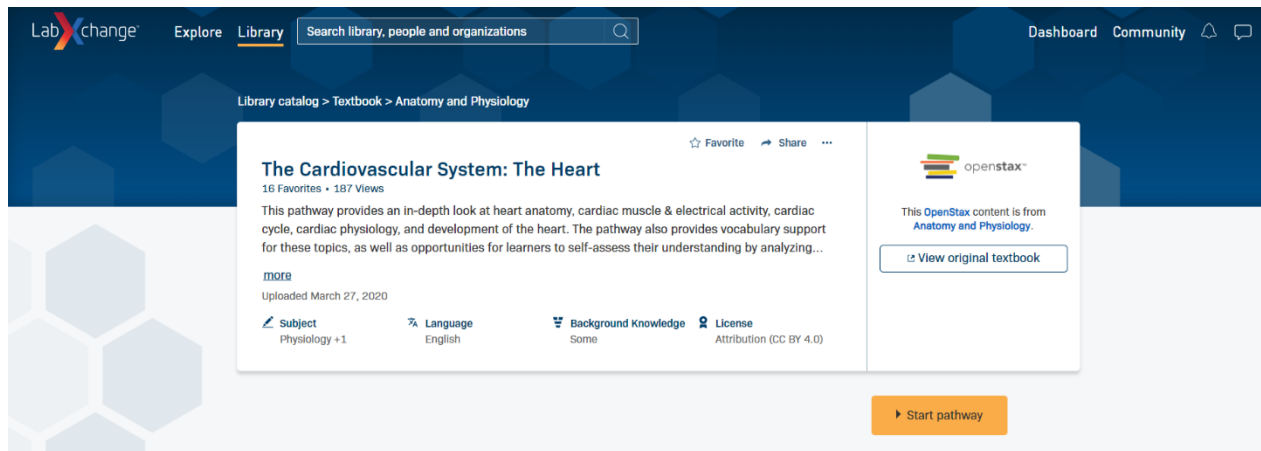


Unit 1: The Cardiovascular System: The Heart



The screenshot shows the LabXchange library interface. At the top, there is a navigation bar with 'LabXchange', 'Explore', 'Library', and a search bar. The breadcrumb trail reads 'Library catalog > Textbook > Anatomy and Physiology'. The main content area features a card for the pathway 'The Cardiovascular System: The Heart', which has 16 favorites and 187 views. The description states: 'This pathway provides an in-depth look at heart anatomy, cardiac muscle & electrical activity, cardiac cycle, cardiac physiology, and development of the heart. The pathway also provides vocabulary support for these topics, as well as opportunities for learners to self-assess their understanding by analyzing...'. Below the description, it says 'more' and 'Uploaded March 27, 2020'. Metadata includes: Subject: Physiology +1; Language: English; Background Knowledge: Some; License: Attribution (CC BY 4.0). To the right, an OpenStax logo indicates the content is from 'Anatomy and Physiology' with a 'View original textbook' button. At the bottom right of the card, there is a 'Start pathway' button.

Learning objectives

1. You will identify and describe the interior and exterior parts of the human heart.
2. You will describe the path of blood through the cardiac circuits.
3. You will describe the size, shape, and location of the heart.
4. You will contrast cardiac muscle to skeletal and smooth muscle.
5. You will explain the cardiac conduction system.
6. You will describe the process and purpose of an electrocardiogram.
7. You will explain the cardiac cycle.
8. You will calculate cardiac output.
9. You will describe the effects of exercise on cardiac output and heart rate.
10. You will name the centers of the brain that control heart rate and describe their function.
11. You will identify other factors affecting heart rate.
12. You will describe fetal heart development.