

The Muscular System

The screenshot shows the LabXchange library interface. At the top, there is a navigation bar with 'LabXchange' logo, 'Explore', 'Library' (selected), and a search bar. The breadcrumb trail reads 'Library catalog > Textbook > Anatomy and Physiology'. The main content area features a white card for 'The Muscular System' with 5 favorites and 163 views. The description states: 'This pathway provides an in-depth look at interactions of skeletal muscles; their fascicle arrangement, & their lever systems; naming skeletal muscles; axial muscles of the head, neck, & back; axial muscles of the abdominal wall & thorax; muscles of the pectoral girdle & upper limbs; and appendicular muscles of the pelvic girdle & lower limbs. The pathway also provides vocabulary support for these topics, as well as opportunities for learners to self-assess their understanding by analyzing figures and answering questions.' Below the description is a 'Show less' link and the upload date 'March 27, 2020'. Metadata includes Subject (Physiology +1), Language (English), Background Knowledge (Some), and License (Attribution (CC BY 4.0)). To the right, an OpenStax logo and text indicate 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 describe the actions and roles of agonists and antagonists.
2. You will explain the structure and organization of muscle fascicles and their role in generating force.
3. You will explain the criteria used to name skeletal muscles.
4. You will identify the skeletal muscles and their actions on the skeleton and soft tissues of the body.
5. You will identify the origins and insertions of skeletal muscles and the prime movements.