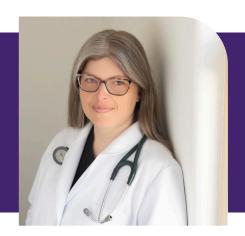
Anatomy: Advanced

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LifePath Anatomy: Advanced Exploration Course Description

In this engaging visual course designed for middle and high schoolers, students take a deep dive into human anatomy through expertly guided lessons and vibrant coloring activities. Taught by Dr. Robin, a physician and educator known for making medical science accessible, this course combines scientific accuracy with hands-on learning to build a strong foundation in anatomy. With each lesson, learners explore how body systems work together, helping them connect their curiosity with real-world applications in health, medicine, and biology.

Learning Goals or Objectives

- Understand Key Anatomical Systems: Learners will identify and describe major organs, tissues, and systems in the human body.
- Develop Visual-Spatial Understanding: Learners will enhance their ability to visualize anatomical structures through labeled coloring and diagrammatic learning.
- Build Foundational Medical Vocabulary: Learners will be introduced to age-appropriate medical terminology and concepts.
- Practice Integrated Thinking: Learners will explore how body systems interrelate and contribute to overall health.

Anatomy: Advanced Exploration

Course Content

Each lesson includes a brief instructional video, guided coloring activity, and quick review to reinforce key concepts.

Lungs in Situ

• 26:40 minutes of video lesson

Alveoli and Bronchi

22:18 minutes of video lesson

How We Make Speech

22:39 minutes of video lesson

Heart Exterior

20:44 minutes of video lesson

The Cardiac Cycle: Systole and Diastole

• 16:19 minutes of video lesson

Heart Interior In Situ

• 19:34 minutes of video lesson

Circulatory System

34:29 minutes of video lesson

Kidneys and Bladder

13:03 minutes of video lesson

Kidney and Nephron

29:19 minutes of video lesson

Inside the Mouth

• 16:55 minutes of video lesson

Digestive System

• 32:13 minutes of video lesson

Small Intestine

• 18:03 minutes of video lesson

Biliary Tree

• 27:21 minutes of video lesson

Lymphatic System

• 24:54 minutes of video lesson

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Course Content

Skin

• 21:44 minutes of video lesson

Bones and Joints

• 28:51 minutes of video lesson

Comparative Anatomy: Bones

20:43 minutes of video lesson

Comparative Anatomy: Muscles

25:04 minutes of video lesson

Axial Skeleton

• 15:34 minutes of video lesson

Spine and Spinal Cord

17:16 minutes of video lesson

Dermatomes

• 17:45 minutes of video lesson

Nerve Cells

18:09 minutes of video lesson

Autonomic Nervous System

23:32 minutes of video lesson

Brain

• 22:48 minutes of video lesson

Homunculus

• 13:20 minutes of video lesson

Eye

• 18:38 minutes of video lesson

Ear

• 19:01 minutes of video lesson

Where Senses Go in the Brain

• 16:07 minutes of video lesson

Systems of the Human Body

26:55 minutes of video lesson

Human Cell

• 24:19 minutes of video lesson

Anatomy: Advanced Exploration

Materials and Related Courses

Dr. Robin's Anatomy Coloring Book for Serious Young Scientists by Dr. Robin Dickinson MD

A visual and interactive tool that helps learners engage with anatomy through labeled diagrams and guided coloring. Designed to reinforce spatial understanding and make complex systems more approachable.

- PDF printable provided
- Printed book available on Amazon (provided for students on the annual plan of MedPath)

10 Conversations to Have with Your Tween or Teen

This important book provides parents with guidance on crucial topics to discuss with their middle schoolers. Written by family physician, Dr. Robin Dickinson, MD, each article offers background information, preparation tips, conversation dos and don'ts, and journaling prompts for both parent and child. These prompts can be used for journaling, writing assignments, or further discussion.

Other Related Courses and Books

- LifePath Anatomy: Primary Studies
- Self Care and Health
- Family Health Planner
- Parenting for Neurodiverse Families