

Human Body & Forensics

Investigate Your Body
& Its Unique Way of Identifying You



CRIME SCENE DO NOT CROSS

A Science
Program for
Jr-Sr High

WinterPromise

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Human Body & Forensics

Science for Junior & Senior High

How To Use This Program

Each week your student will work through several resources. These resources are designed to be used independently for the most part, with the exception of “Crime Scene Investigations,” in which the parent gets involved in preparing many of the investigations and may be needed to help the student and/or conduct the experiments. Working together on these projects provides a format in which to discuss together what is learned, which is a great way for your student to retain what they are learning.



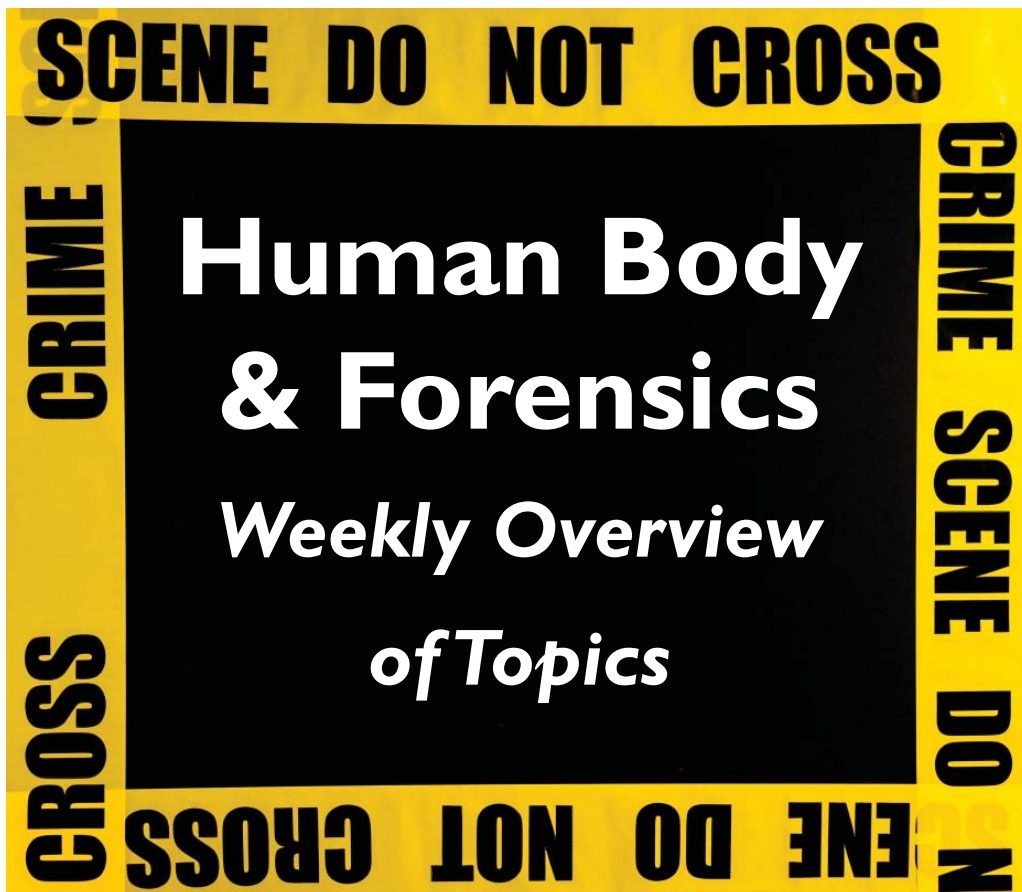
The first semester of this study is spent on studying the human body and involves reading, answering questions, and adding coloration to anatomical drawings for increased understanding of their function, shape and place in the body. “Body by Design” will take your student inside the uniquely created machine God designed for each of us.

The second semester of this study allows students to delve into how forensics can identify people and items as being entirely unique. Students will encounter diverse types of evidence -- hair, textile, fingerprint, dental, and handwritten -- to name a few. The investigations are designed to be fun and interactive, and the student, if interested, could take them a step further if he so desired. A list of the supplies needed to prepare for these investigations, along with directions for some of them, is in the back of this guide.

This program has been deliberately designed to be an easy-to-accomplish program, one whose content is a good complement to the breadth of our themed programs for junior high and high school students, which often already include some scientific material.

Resource List:

The Human Body Book
Body By Design
Gray's Anatomy Coloring Book
The Forensic Casebook
Crime Scene Investigations



THE HUMAN BODY

Week 1:	It's All About You
Week 2:	On the Surface & Underneath
Week 3:	Cells & DNA
Week 4:	What a Skeleton!
Week 5:	The Muscular System
Week 6:	The Nervous System
Week 7:	Relating to the Outside World
Week 8:	Hearing & Your Sense of Sight
Week 9:	The Endocrine System
Week 10:	The Cardiovascular System
Week 11:	The Respiratory System & Skin
Week 12:	Lymphatic & Immune Systems
Week 13:	The Digestive System
Week 14:	Your Waste Processing System
Week 15:	The Reproductive Systems
Week 16:	Pregnancy & Birth
Week 17:	How People Mature
Week 18:	Heredity

UNIQUE IDENTIFICATION - FORENSICS

Week 19:	Deductive Reasoning
Week 20:	The Individuality of a Scene
Week 21:	The Individuality of Fingerprints
Week 22:	The Individuality of Tools
Week 23:	The Individuality of Fibers
Week 24:	The Individuality of Hair
Week 25:	Patterns That Tell a Story
Week 26:	The Individuality of Broken Glass
Week 27:	The Individuality of Handwriting
Week 28:	Animals Can Sniff Out Trouble
Week 29:	The Individuality of Typewriting
Week 30:	The Individuality of DNA
Week 31:	The Individuality of Teeth
Week 32:	The Individuality of Skeletons
Week 33:	The Individuality of Bones
Week 34:	Reconstructing to Tell a Story
Week 35:	Digging in to Tell a Story
Week 36:	The Individuality of Lip Prints



Human Body & Forensics

It's All About You!

Week 1

ONE-DAY SCHEDULE - Complete All
TWO-DAY SCHEDULE - Divide as Shown

DAY 1	DAY 2
<p>READ & COMPLETE:</p> <p><u>The Human Body Book</u> Read "Foreword" - Pages 6-7 Read "Integrated Body" - Pages 8-9 Read "Introduction" - Pages 10-11 Read "Imaging the Body" - Pages 12-21</p> <p><u>Body By Design</u> Read "Preface" & "Foreword" - Pages 6 to top of 11</p>	<p>READ & COMPLETE:</p> <p><u>The Human Body Book</u> Read "Body Systems" - Pages 22-23 Read "Support and Movement" - Pages 24-25 Read "Adapting to Extremes" - Pages 32-34 Read "Human Performance" - Page 35</p> <p><u>Body By Design</u> Read - Pages 11-14 Complete Questions - Page 15</p>
<p>JOURNALING:</p> <p><u>Gray's Anatomy</u> Page 5</p>	<p>INVESTIGATION:</p> <p>None</p>
<p>NOTES</p>	

The Human Body

We will not be mentioning stray references to "millions of years" as they are few in number, but we will alert you to more descriptive passages that include evolutionary references.



Human Body & Forensics

On the Surface & Underneath

Week 2

ONE-DAY SCHEDULE - Complete All
TWO-DAY SCHEDULE - Divide as Shown

<i>DAY 1</i>	<i>DAY 2</i>
<p>READ & COMPLETE:</p> <p><u>The Human Body Book</u> Read "Information Processing" - Pages 26-27 Read "The Fluid Body" - Pages 28-29</p> <p><u>Body By Design</u> Read Pages 16-18</p>	<p>READ & COMPLETE:</p> <p><u>The Human Body Book</u> Read "Equilibrium" - Pages 30-31 Read "Body Systems to Cells" - Pages 36-37</p> <p><u>Body By Design</u> Read Pages 19-20 Complete Questions, Page 21</p>
<p>JOURNALING:</p> <p><u>Gray's Anatomy</u> Read these pages and color some: Pages 58-67</p>	<p>JOURNALING:</p> <p><u>Gray's Anatomy</u> Read these pages and color some: Pages 92-97</p>