

# 2016 Anatomy & Physiology (B&C) – Overview

prepared by

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National Rules Committee Chairman – Life Science

**DISCLAIMER** - This presentation was prepared using draft rules. There may be some changes in the final copy of the rules. The rules which will be in your Coaches Manual and Student Manuals will be the official rules.

**BE SURE TO CHECK THE 2016 EVENT RULES for EVENT PARAMETERS and TOPICS FOR EACH COMPETITION LEVEL**

## TRAINING MATERIALS:

- **Training Power Point** presents an overview of material in the training handout
- **Training Handout** presents introductory topic content information for the event – a **General Handout and Training Handouts for Each System**
- **Sample Tournament** has sample problems with key
- **Event Supervisor Guide** has event preparation tips, setup needs and scoring tips
- **Internet Resource & Training Materials** are available on the Science Olympiad website at [www.soinc.org](http://www.soinc.org) under Event Information.
- A **Biology-Earth Science CD, an Anatomy/A&P CD (updated 2016)** as well as the **Division B and Division C Test Packets** are available from SO store at [www.soinc.org](http://www.soinc.org)

## BASIC ANATOMY AND PHYSIOLOGY

- **Skeletal System**
- **Muscular System**
- Integumentary System
- Major Diseases
- Treatment and prevention of diseases

*Systems –Anatomy & Physiology (B/C) with rotating 3 body systems each year on a 4 year rotation schedule*

<b>Year 1</b>	<b>Skeletal</b>	<b>Muscular</b>	<b>Integumentary</b>	<b>(2016 and 2020)</b>
<b>Year 2</b>	<b>Nervous</b>	<b>Sense Organs</b>	<b>Endocrine</b>	<b>(2017 and 2021)</b>
<b>Year 3</b>	<b>Respiratory</b>	<b>Digestive</b>	<b>Immune</b>	<b>(2018 and 2022)</b>
<b>Year 4</b>	<b>Cardiovascular</b>	<b>Lymphatic</b>	<b>Excretory</b>	<b>(2019 and 2023)</b>

**PROCESS SKILLS** - observations, inferences, predictions, calculations, data analysis, and conclusions.