

### **Key points for Enrichment Biology Topic 13-16**

#### **1. Topic 13: Support and Movement**

Under Topic 13, the students should recognize the support system in human body; describe the structures and functions of skeleton and bone; understand the function and characteristics of muscles; and explain the mechanism of muscle contraction.

#### **2. Topic 14: Gut and Digestion**

Under Topic 14, the students should describe the digestive system and its importance in human body; explain the digestion process; and identify each organ in digestive system and its biological importance.

#### **3. Topic 15: Energy and Metabolism**

Under Topic 15, the students should describe the relationship between energy and metabolism; understand the importance of enzymes in metabolism; and describe the metabolism of carbohydrates, lipid and protein.

#### **4. Topic 16: Fluid and Electrolyte Balance**

Under Topic 16, the students should identify the composition and compartments of body fluid; describe the regulatory system of body fluid and electrolytes; and explain the contents and importance of major electrolytes.