

## **Standard Grade Biology**

### **The Body in Action**

#### **3. Coordination**

#### **Checklist    Grade**

At the end of this topic you should be able to:

- |   |                          |         |
|---|--------------------------|---------|
| (a) state that coordination of physical activity requires information through the senses, controlled by the central nervous system and response by the muscles. | <input type="checkbox"/> | General |
| (b) state that judgement of distance is more accurate using 2 eyes rather than one.   | <input type="checkbox"/> | General |
| (c) explain the relationship between judgement of distance and binocular vision.  | <input type="checkbox"/> | Credit  |
| (d) identify the iris, cornea, lens, retina, optic nerve and state their functions.   | <input type="checkbox"/> | General |
| (e) state that judgement of direction of sound is more accurate with 2 ears than one.   | <input type="checkbox"/> | General |
| (f) identify the eardrum, ear bones, cochlea and auditory nerve and state their functions.  | <input type="checkbox"/> | General |
| (g) identify the semi-circular canals.  | <input type="checkbox"/> | General |
| (h) state that movements of the head are detected by movement of fluid in the semi-circular canals.   | <input type="checkbox"/> | General |
| (i) explain how the arrangement of the semi-circular canals is related to function.   | <input type="checkbox"/> | Credit  |
| (j) state that the nervous system is composed of the brain, spinal cord and nerves.   | <input type="checkbox"/> | General |
| (k) state the nerves carry information from the senses to the central nervous system and from the C.N.S. to the muscles.  | <input type="checkbox"/> | General |
| (l) state that the C.N.S. sorts out information from the sense organs and sends messages to those muscles which make the appropriate response.                  | <input type="checkbox"/> | General |
| (m) explain how a reflex action works using a simple model of the reflex arc.   | <input type="checkbox"/> | Credit  |
| (n) identify the cerebrum, cerebellum and medulla and state their functions.  | <input type="checkbox"/> | General |

Homework

***End of Topic Test***
