



ST NINIAN'S HIGH SCHOOL

NATIONAL 4 BIOLOGY LEARNING INTENTIONS



UNIT 2: MULTICELLULAR ORGANISMS

SECTION 5: BIOLOGICAL RESPONSES

Nervous System

- ☐ 1. State that the CNS is composed of brain and spinal cord
- ☐ 2. Describe basic function of nerves
- ☐ 3. Explain how the CNS allows rapid responses to environmental change
- ☐ 4. Define a reflex response as a rapid response to an environmental change
- ☐ 5. Give examples of reflex responses

Biological actions in response to external changes to maintain stable body conditions

- ☐ 6. Describe different receptors for each of the 5 senses
- ☐ 7. Investigate density of touch receptors in the skin

Biological actions in response to internal changes to maintain stable body conditions

- ☐ 1. Describe need to maintain internal body conditions at a stable point (Homeostasis)
- ☐ 2. Investigate the effect of changing external body temperature on internal body temperature
- ☐ 3. Understand the importance on maintaining blood glucose levels
- ☐ 4. Explain what happens when glucose levels are not maintained
- ☐ 5. Research causes of diabetes