** A level Year 2** Eduqas Component 3

**Nervous System**

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|  |  | R | A | G |
| 1 | the components of a nervous response; from the detection of internal and external stimuli by receptors to the response by the effector |  |  |  |
| 2 | the main areas of the spinal cord, including examination of T.S. spinal cord |  |  |  |
| 3 | the basic pattern of spinal nerves in relation to the spinal cord including the dorsal root and ventral root |  |  |  |
| 4 | the simple reflex arc as the basis for rapid, protective, involuntary actions |  |  |  |
| 5 | the structure of a nerve net in Cnidaria and be able to draw comparisons with the nervous systems in more complex organisms |  |  |  |
| 6 | the structure of a motor neurone including drawing and labelling of diagram |  |  |  |
| 7 | the nature and transmission of the nerve impulse |  |  |  |
| 8 | how to analyse oscilloscope traces showing the passage of an action potential |  |  |  |
| 9 | factors affecting speed of conduction of a nervous impulse in other organisms |  |  |  |
| 10 | the structure and role of a synapse and the process of synaptic transmission |  |  |  |
| 11 | the effect of chemicals e.g. organophosphates and psychoactive drugs on the transmission of impulses |  |  |  |