**Knowledge organiser for KS5 Biology Nervous Coordination at Saint Ambrose College 2020+**

**What is covered in this unit?**

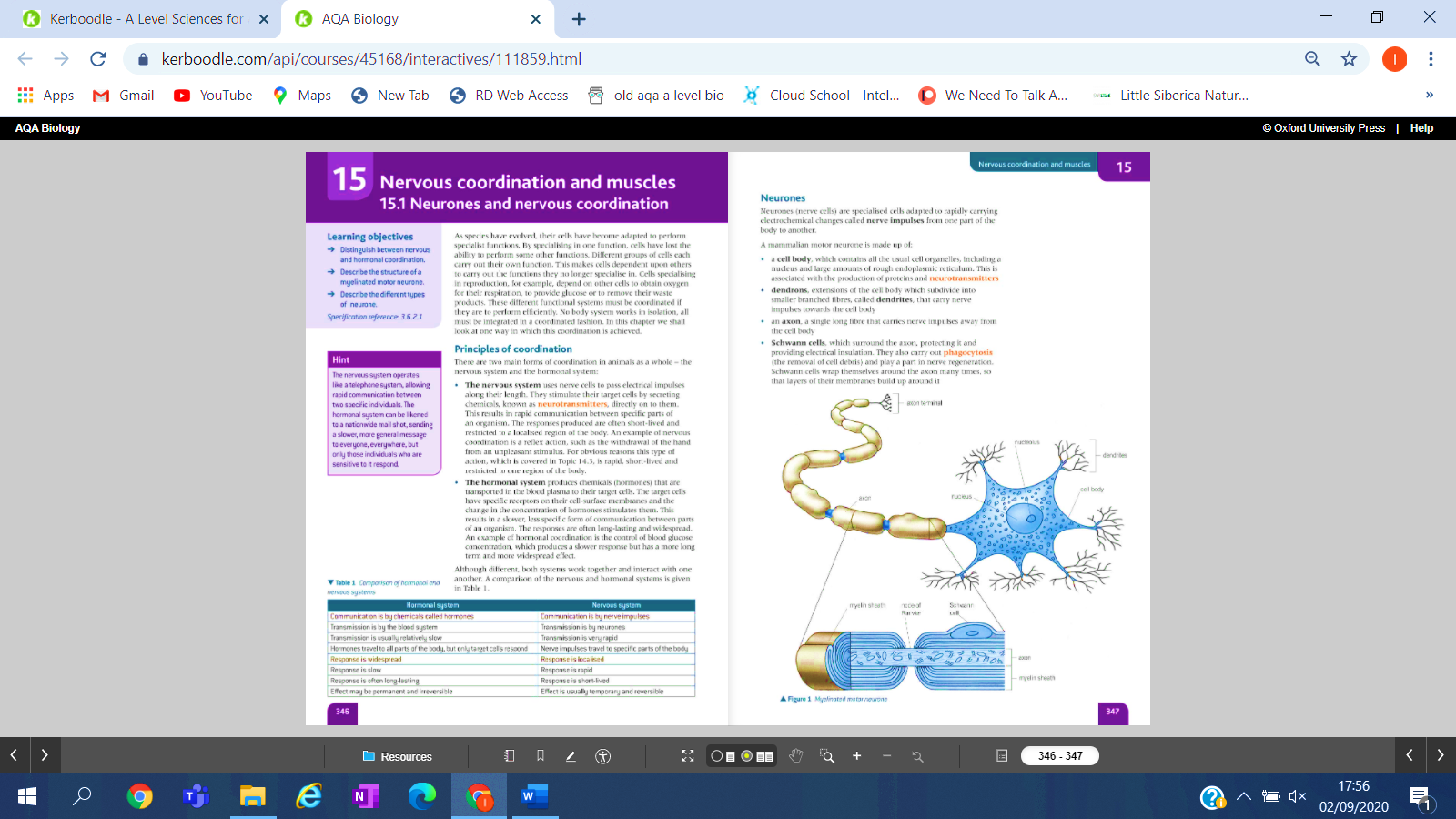
Structure of myelinated motor neurone; Establishment of resting potential; Changes in membrane permeability; Passage of an action potential; Nature and importance of the refractory period; Factors affecting the speed countenance, myelination and saltatory conduction, axon diameter and temperature; Detailed structure and comparison synapse and neuromuscular junction; Sequence of events in transmission across cholinergic synapse; Effects specific drugs on a synapse

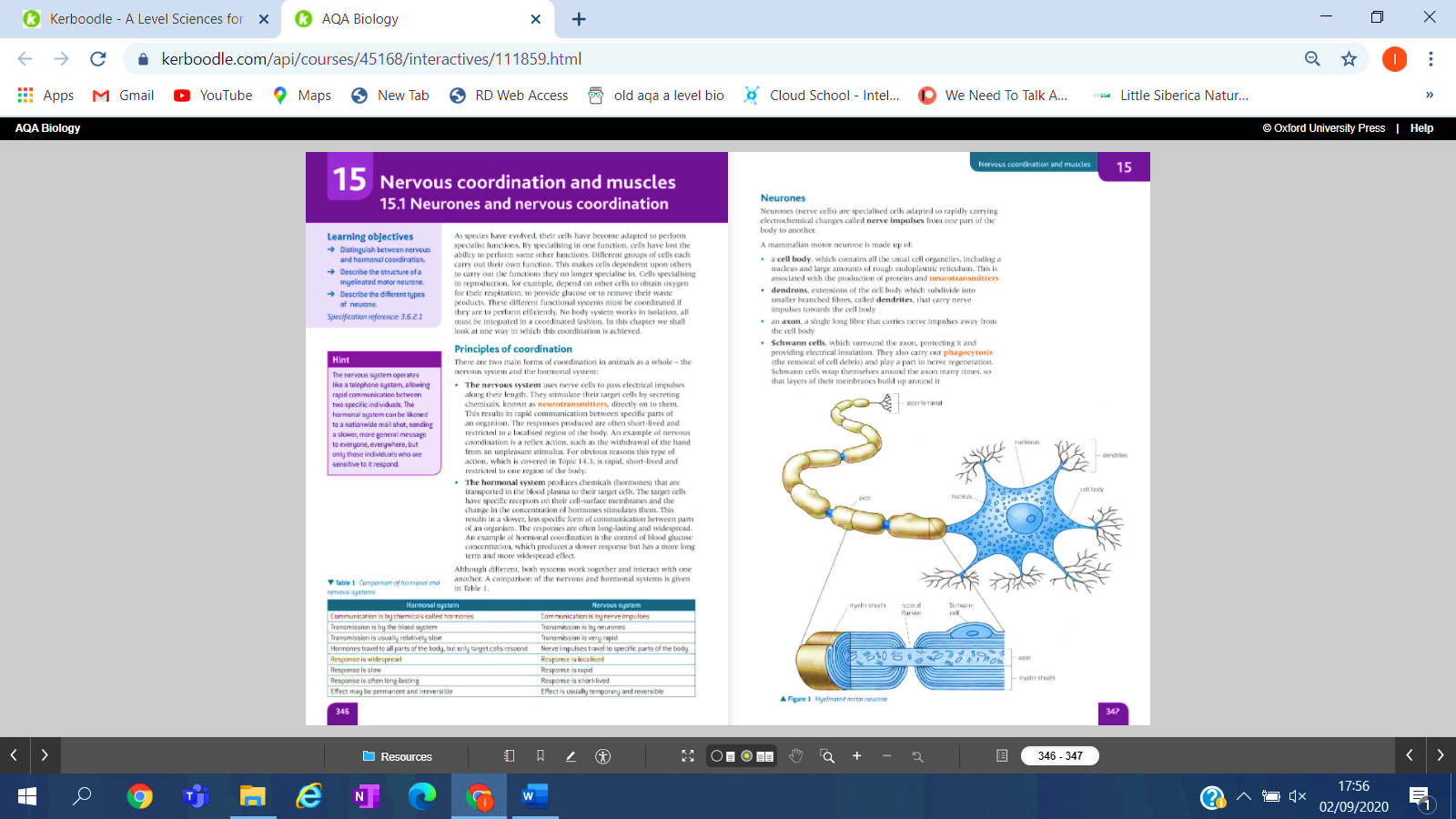
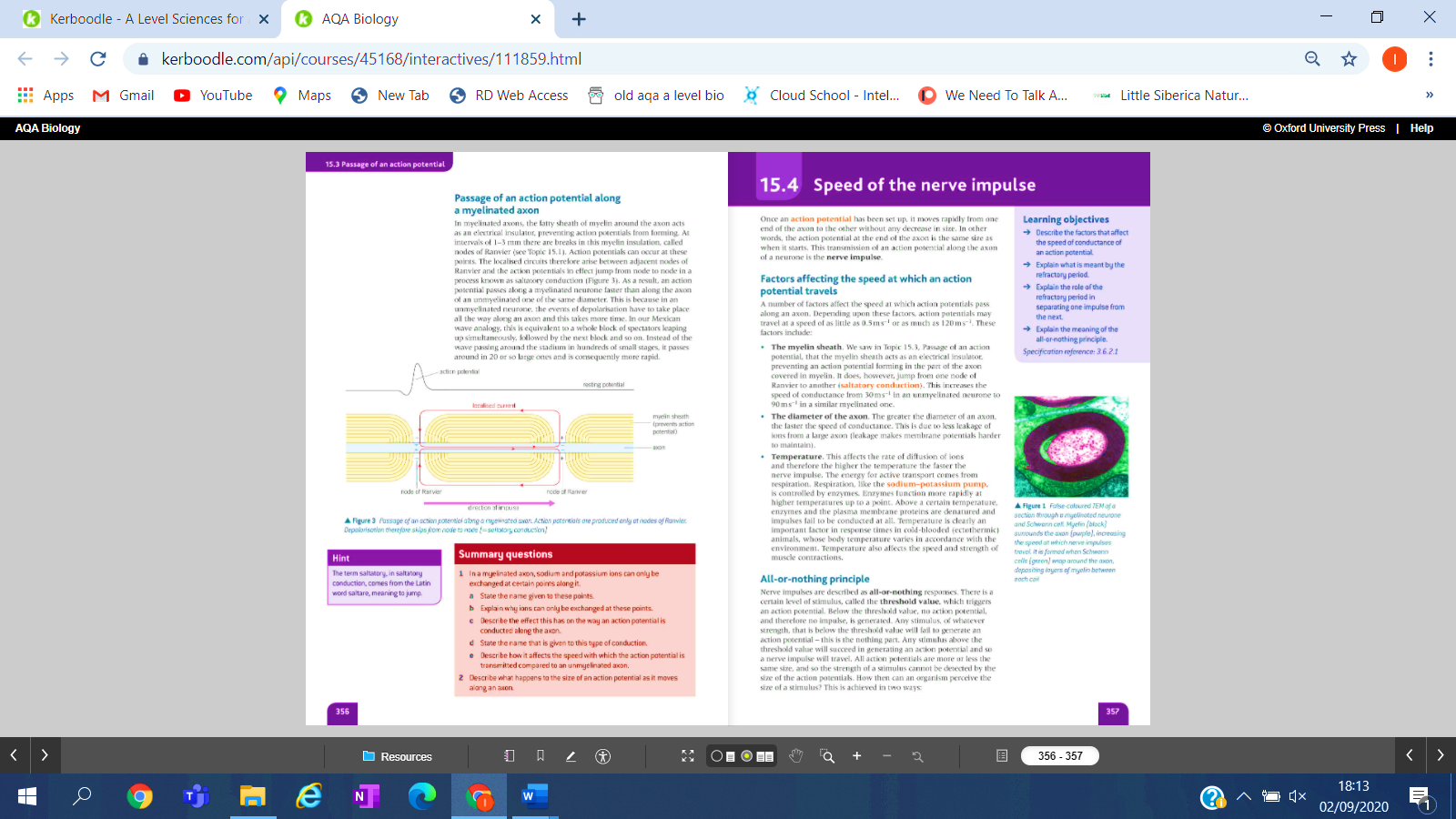
**Key vocabulary**

Nerve Impulse – a self-propagating wave of electrical activity that travels along the axon membrane

Hormonal system – produces chemicals that are transported in the blood plasma to their target cells

Nervous system – uses nerve cells to pass electrical impulses along their length

**Key facts-**



**Possible homework tasks I Stretch & challenge (wider reading/independent work)**

H/W:including project, Kerboodle, Kahoot. Stretch: modelling tasks, Biological Science Review research.