**Knowledge organiser for KS5 Biology Energy and Ecosystems at Saint Ambrose College 2020+**

**What is covered in this unit?**

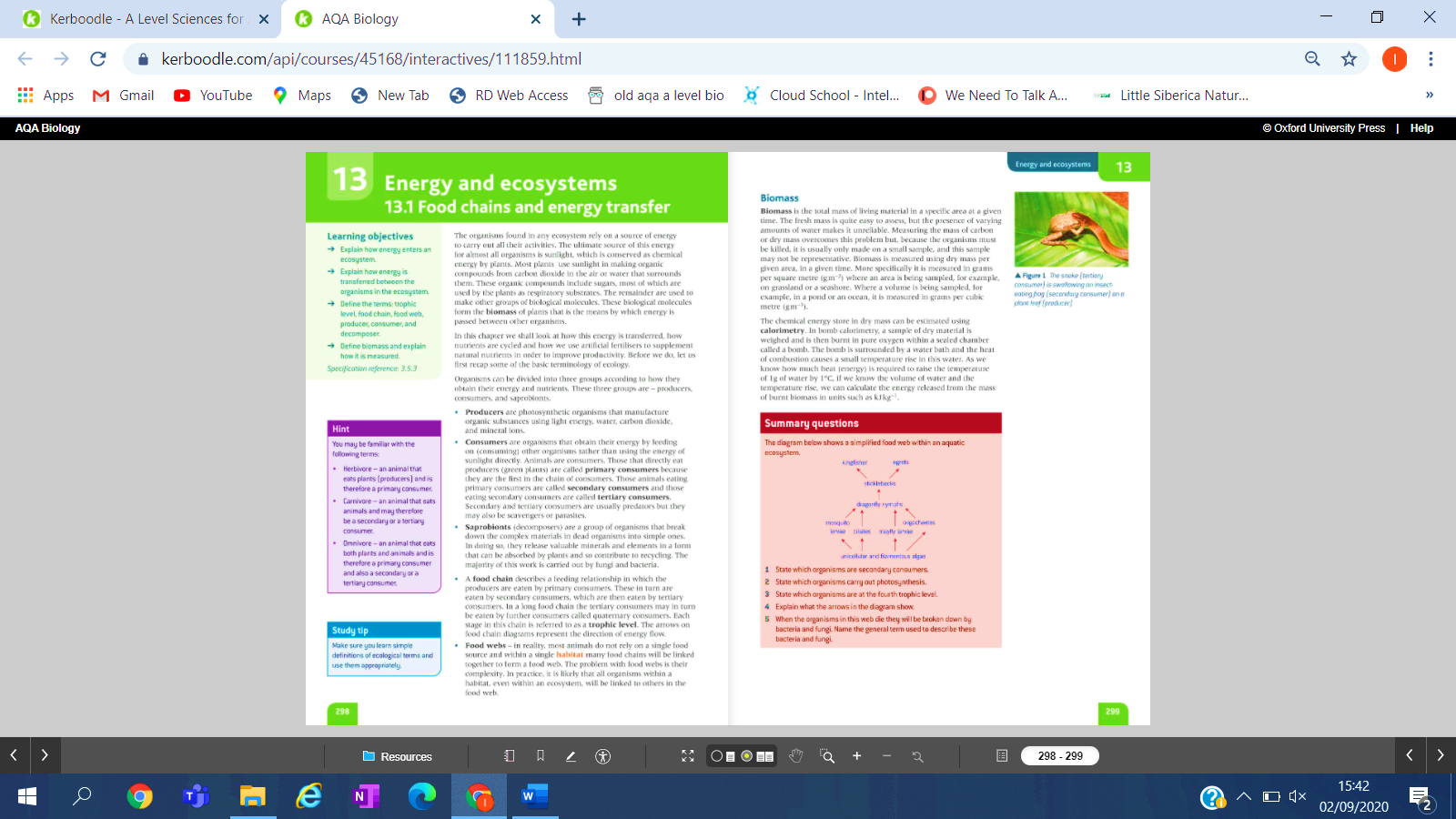
**Synthesis of organic compounds; function of sugars synthesised; Biomass; Chemical energy store; Gross primary production; Net primary production; Simplification food webs to reduce energy losses; Reduce respiratory losses within human food chains**

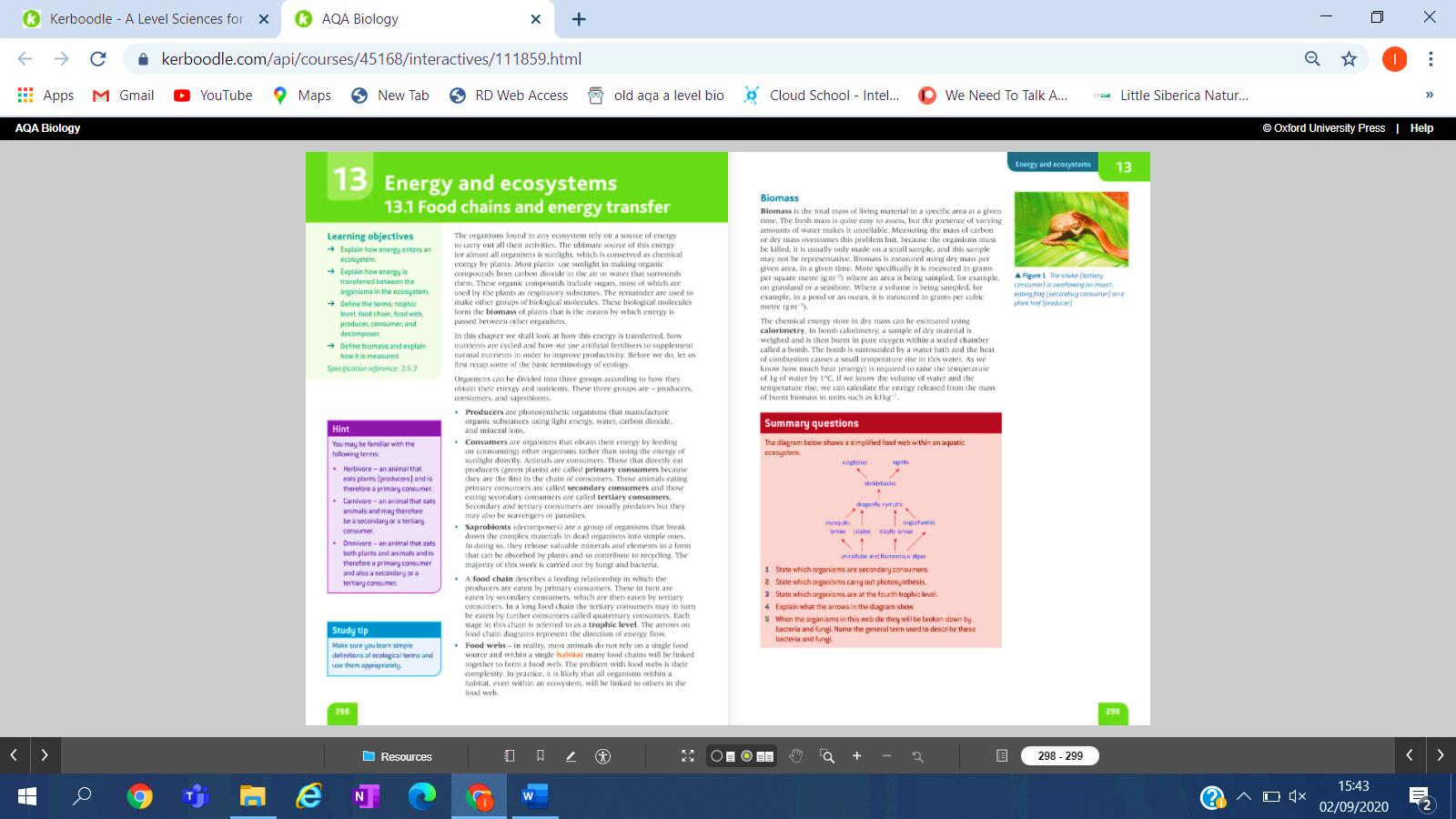
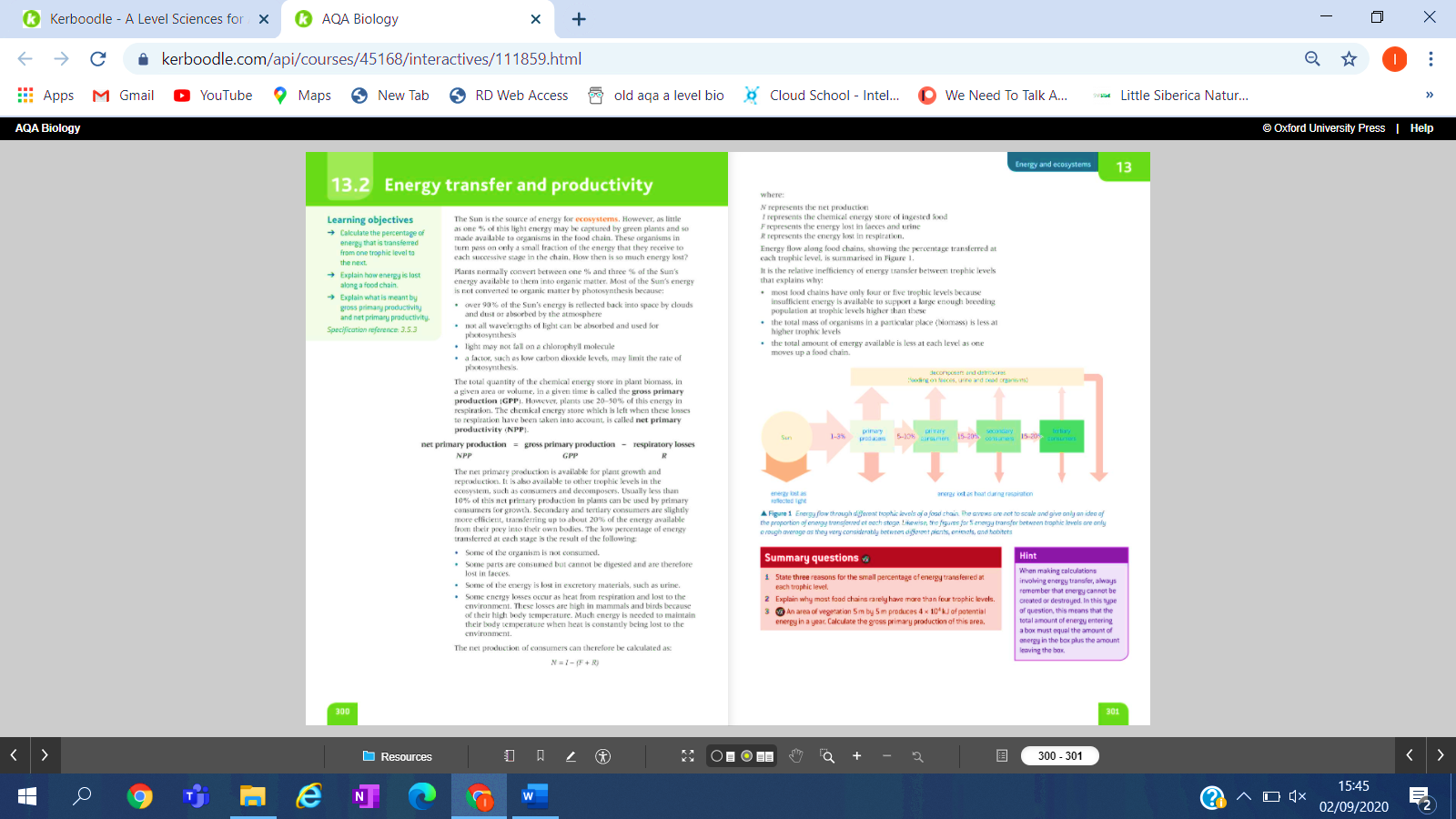
**Key vocabulary**

**Biomass – the total mass of living organisms in a specific area at a given time**

**Producers – photosynthetic organisms that manufacture organic substances using light energy, water, carbon dioxide and mineral ions**

**Saprobionts – are a group of organisms that break down the complex materials in dead organisms into simple ones**

**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.