**Stage 1 Biology**

**Ecosystem Dynamics Learning Intentions**

**Text ref.**

I know the hierarchy of living things (flow chart in notes) p. 286-287; 290

I understand the ‘ecosystem’ equation p. 290

I can differentiate between biotic and abiotic factors p. 332-339

**Community dynamics:**

I can compare and contrast the main types of biotic relationships p. 288-289

I can identify examples of the three main types of symbiosis p. 288-289

I can explain the importance of keystone species p. 361-364

I can explain the importance of the three areas of biodiversity for AUS p. 291-294

I can explain, with examples, the main types of adaptations p. 322-331

I can define ‘niche’ with examples p. 355-357

I can differentiate between zone and strata in a habitat p. 340-342

I can define species p. 313

I can compare and contrast different types of reproductive isolation p. 319-321

I can explain how energy/biomass changes through food chains p. 343-346

I can represent all levels of a typical food chain & its trophic levels

I can compare number and biomass ecological pyramids

I can describe impacts of biomagnification

**Taxonomy:**

I can compare the three methods of classification p. 299-305

I can state the 8 major taxa classifications in order p. 306-313

I can use the binomial system p. 314

I can evaluate the taxonomy system for advantages/disadvantages p. 314

**Change & Human Impact:**

I can compare how ecosystems change due to succession p. 365-366

I can evaluate the change on ecosystems due to human impact p. 351; 371-384

**Experimental Methods/Skills:**

I can identify the variables in an experiment and explain their importance

I can evaluate methods and suggest relevant improvements