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| Science 9 | Unit A: Bio |
| Lesson 3: Interdependence | 84 mins |

Interdependence

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| Symbiosis – Interdependence of difference species.   * Three Main Types * Mutualism – both organisms benefit from the relationship * Commensalism – one organism benefits and the other does not, but no harm comes to the second organism * Parasitism - one organism benefits and the other does not, but the second organism is harmed | Bees and Flowers  Barnacles and Whales  Salmonella and Humans |

Niche

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| * The role of an organism in an ecosystem: * What it eats * What eats it * Its habitat * Nest site, range and habits * What effect it has on the other populations * What effect it has on the environment   Only ONE organism can have this exact niche…  *QUESTION: Does a niche need to stay the same? NO*  Resource Partitioning – the action which enables competing species to share the resources by accessing these resources in different ways, involving less direct competition. | Beaver  Vegetation  Wolves  Ponds/Lakes  All over North America  Fish are safe  Build dams to increase water depth |

Practice: Pg. 19 2-4

Warp-Up:

We went through interdependence and niches. Next Class: Variation of Species