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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 FlowersBarnacles and WhalesSalmonella 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. | BeaverVegetationWolvesPonds/LakesAll over North AmericaFish are safeBuild dams to increase water depth |

Practice: Pg. 19 2-4

Warp-Up:

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