

Title/Topic: Ch. 15-1/15-2: Darwin

Date: 3-28-16

Essential Questions:

- WHAT WAS CHARLES DARWIN'S CONTRIBUTION TO SCI?
- WHAT PATTERNS DID DARWIN OBSERVE IN GALAPAGOS?
- WHAT CONTEMPORARY IDEAS SHAPED DARWIN'S THINKING?

Connections/Questions:

What did D. obs. on voyage?

Why Galapagos important?

Notes:

- VOYAGE OF BEAGLE - 1831-36 - around the world
- D's OBSERVATIONS:
  - PATTERNS OF DIVERSITY
    - ORGS. WELL-SUITED TO ENV.
    - SIMILAR ENV. / DIFF. CONTS. HAD DIFF. ORGS.
  - LIVING ORGS. + Fossils
    - SOME FOSS. LIKE ORGS. NOW
    - SOME FOSS. NOT LIKE alive
- GALAPAGOS IS.
  - TORTOISES
    - SHELL/NECK VARIED W/ ISLAND
  - FINCHES
    - BEAK SHAPE
- JOURNEY HOME -
  - ? ANIMALS ON DIFF. ISLANDS ONCE ALL 1 SPECIES?

Summary:

D. EXPLAINED HOW ORGS. COULD CHANGE OVER TIME. HE OBSERVED THAT TRAITS VARIED IN SPECIFIC WAYS FOR SPECIFIC ISLANDS. HE WAS INFLUENCED BY HUTTON, LYELL, LAMARCK + MALTHUS.