

November 12, 2021  
MSE 2101 topics

- Darwin 1859: natural selection continued
  - evidence: finches at Galapagos islands, armadillo fossils
  - artificial selection: breeding of plants and animals
  - timescales
  - molecular basis
- Chemical bonds – single, double, triple
- Carbon-based? What do you mean carbon-based?
- DNA – the structure
  - backbone (C)
  - bases: adenine (a), guanine (g), cytosine (c) and thymine (t)
- The genetic code
- Genes, chromosomes, the noncoding DNA, genomes
- DNA replication and heredity