### Theme 1 — Changing Climate (tentative lesson titles - pilot testing spring semester 2018)

#### Unit 1: Observing Weather
- HS.1.1 Ask an Expert Video: Observing Weather
- HS.1.2 Vocabulary
- HS.1.3 Monitoring Atmospheric Pressure
- HS.1.4 Modeling the Coriolis Effect
- HS.1.5 Meteorologist in Training

#### Unit 2: Environmental Cycles
- HS.2.1. Ask an Expert Video: Environmental Cycles
- HS.2.2 Vocabulary
- HS.2.3 The Greenhouse Effect
- HS.2.4 Water Temperature and CO₂ Solubility

#### Unit 3: Seasonal Shifts
- HS.3.1 Ask an Expert Video: Seasonal Shifts
- HS.3.2 Vocabulary
- HS.3.3 What is Phenology?
- HS.3.4 Long-term Data Sets

### Theme 2 — Changing Landscapes (pilot testing spring semester 2017)

#### Unit 4: Thawing Permafrost
- HS.4.1 Ask an Expert Video: Permafrost Thaw
- HS.4.2 Vocabulary
- HS.4.3 Engineering for Permafrost

#### Unit 5: Shrub Expansion
- HS.5.1 Ask an Expert Video: Vegetation Changes
- HS.5.2 Vocabulary
- HS.5.3 Estimating Shrub Height

#### Unit 6: Coastal Erosion
- HS.6.1 Ask an Expert Video: Coastal Erosion
- HS.6.2 Vocabulary
- HS.6.3 Coastline Mapping

### Theme 3 — Changing Lifestyles (pilot testing fall semester 2017)

#### Unit 7: Impact on Infrastructure
- HS.7.1 Ask an Expert Video: Impact on Infrastructure
- HS.7.2 Vocabulary
- HS.7.3 Water Quality

#### Unit 8: Natural Resources
- HS.8.1 Ask an Expert Video: Energy Resources
- HS.8.2 Vocabulary
- HS.8.3 Renewable and Nonrenewable Fashion Show
- HS.8.4 The Carbon Footprint of Shipping

#### Unit 9: Impact on Subsistence
- HS.9.1 Ask an Expert Video: Impact on Subsistence
- HS.9.2 Vocabulary
- HS.9.3 Timing of the Salmon Run
- HS.9.4 Counting Caribou