Standards Alignment for Lesson Plans

Sea Ice, Glaciers and Sea Level Rise: Learning Through Experimentation
CA State Science Standards:
   6th grade 4.a-e
   7th grade 7.a-e
   8th grade 1.a-f, 8.a-d
   High School Chemistry 7a-d, Earth Science 5.a-g, 6.a-d
Ocean Literacy Principles and Concepts: 1.d,f, 3.f, 6.e-g
Climate Literacy Principles and Concepts: 4.e, g, 6.a-f

Looking Into Albedo
CA State Science Standards:
   K: 1.a, 3.a
   1st grade: 1.b, 3.a, b
   3rd grade: 1.a
   5th grade: 3.a, 4.b
   6th grade: 3.a, c, 4.b
   High School: Earth Science 4.b, c, 5.c, d, 6.a, b, 8.a
Ocean Literacy Principles and Concepts: 3 e, f, 4a, 6e
Climate Literacy Principles and Concepts: 1b – d, 2a, e, 5e – g, 6b-d,

Heat Capacity - Temperature Changes: Atmosphere and Ocean
CA State Science Standards:
   1st grade: 1.b, 3.a, b
   3rd grade: 1.a
   5th grade: 3.a, 4.b
   6th grade: 3.a, c, 4.b
   High School: Earth Science 4.b, c, 5.c, d, 6.a, b, 8.a
Ocean Literacy Principles and Concepts: 3 e, f, 4a, 6e
Climate Literacy Principles and Concepts: 4a,

Coral Cores: Coral Timelines
CA State Science Standards:
   2nd grade 2.d, e
   3rd grade 3.b-d
   4th grade 2.a
   5th grade 2.a
   6th grade 5.a,b,e
   High School: Earth Science 5.d, 6.b,c, Ecology 6.a-g,
Ocean Literacy Principles and Concepts: 5.d,f, 6.e, 7.b
Climate Literacy Principles and Concepts: 1.b,c,f, 2.c, 4.g, 6.b,c

pH, CO₂ and Ocean Acidification
CA State Science Standards:
   1st grade: 2.a,b
Standards Alignment for Lesson Plans

3rd grade: 1.e,g,l, 3.a,c,d
4th grade: 2.a, 3.b
5th grade: 1.a,b,g, 2.b,f
6th grade 5.a,c,e
7th grade: 3.c,e, 4.e
8th grade 3.e,f, 5.e. 6.a
High School: Biogeochemical cycles 7.a, Ecology 6.d

Ocean Literacy Principles and Concepts: 3 e, f, 4a, 6e
Climate Literacy Principles and Concepts: 1b – d, 2 a, e, 4 d,

Ocean Acidification and Its Effects on Organisms
CA State Science Standards:
  6th grade 5.a,c,e
  7th grade: 3.c,e, 4.e
  8th grade 3.e,f, 5.e. 6.a
High School: Biogeochemical cycles 7.a, Ecology 6.d
Ocean Literacy Principles and Concepts: 3 e, f, 4a, 6e
Climate Literacy Principles and Concepts: 1b – d, 2 a, e, 4 d,