

Southern Regional High School
Manahawkin, New Jersey
Course Syllabus

Department: Science

Course: Environmental Science/Marine Science

Marking Period 1

Topics/Units to be covered:

UNIT 1

- Classroom Expectations/Grading
- Lab safety
- Salinity/density and tank maintenance
- Sampling techniques
- Water Chemistry

UNIT 2

- Early marine science milestones
- Charting
- GPS Technology
- Bathymetry
- Navigation
- QUARTERLY (Date TBA)

Marking Period 2

Topics/Units to be covered:

UNIT 3

- Marine resources
- Conservation vs. Preservation
- Maximum Sustainable Yield (MSY)
- “Fishbanks”
- Policy writing
- Population studies
- Resource management and policy
- Management proposals
- QUARTERLY (Date TBA)

Marking Period 3

Topics/Units to be covered:

UNIT 4

- Fish morphology
- Counter current blood flow
- Swim bladder
- Osmoregulation
- Agnatha class
- Osteichthyes
- QUARTERLY (Date TBA)

Marking Period 4

Topics/Units to be covered:

- Chondrichthyes
- Squid/cephalopods
- Bivalves
- UNIT 5**
- Whales 2 suborders
- Anatomy(external)
- Video ID quiz
- Pinniped families exploration
- Final Exam