

Course Overview

Content Area:

Course(s):

Time Period: **Year**

Length: **180**

Status: **Published**

Course Overview

Aligned to Standards: NJSLS 2014-2020

Revision Date: 2023

In compliance with the NJ Student Learning Standards, climate change, career readiness, DEI (Diversity, Equity, & Inclusivity), as well as other standards have been integrated within the NBCRSD curricula (NJ Administrative Code Title 6A: chapter 8; Title 18A: chapter 35).

Course Overview

Sequence- Unit Titles, Summaries, and Number of weeks per unit (total = 18 semester/36 year)

- Unit 1:** Design Principles (windmill) - 6 weeks
- Unit 2:** Design Basics (CAD) - 6 weeks
- Unit 3:** Civil Engineering (Crane strain) - 5 weeks
- Unit 4:** Mass Production and Manufacturing (soap) - 6 weeks
- Unit 5:** Historical Engineering and Technology (siege weapons) - 5 weeks
- Unit 6:** Green Engineering and Technology (windmill power) - 5 weeks
- Unit 7:** Space Exploration -3 weeks

[Reporting Student Progress](#) (link to NB's Assessment System)

All courses follow a balanced assessment system with Practice and Assessments. Each category includes formative, summative and alternative assessments.

[Accommodations and Modifications](#) (link to menu)

Integrated accommodations and modifications for special education students, English language learners, students at risk of school failure, gifted and talented students, and students with 504 plans.