

Production & Construction Systems

September/February

Shop organization and safety

Project selection and impacts

Resources

- People
- Information
- Materials
- Tools
- Capital
- Energy
- Time

Houses

- Foundations
- Superstructures
- Enclosures
- Utilities



October / March

Projects

- Building Units
- Corner Framing
- Model House

(EFA – Play – Softball
Dugouts)



January / June

Final Project

Final Exam

Key Ideas / Concepts

Students will be able to identify and describe the major components of the residential construction systems.

1. Sight preparation
2. Foundation
3. Walls
4. Floors/decks
5. Roof
6. Utilities

Students will be able to identify and use the major components of the manufacturing and production systems.

1. Raw materials
2. Forming
3. Separating
4. Combining
5. Conditioning

Robots – Assembly line – Jigs -
Fixtures

November / April

Production Systems

Basic Manufacturing System

- Production History
- Marking jigs & fixtures
- Manufacturing project prototype construction
- Making an assembly line

December / May

Mass Production of a project

Project Analysis & marketing

