

BUILDING & CONSTRUCTION

Expert Craftsmanship
From The Ground Up



Introduction to Building & Construction

11-12

Introduction to Construction introduces the study of materials and processes used in the construction of residential structures. Students learn and follow the proper safety procedures throughout the shop area. A large emphasis is placed on safety. Students use some of the same power and hand tools used in industry. Students will learn excavation, foundation systems and slabs.

Building & Construction I

11-12

Building & Construction I places emphasis on learning terminology as well as hands on applications constructing a 4'x4' freestanding floor and wall section. The process includes the methods involved in designing for construction, floor, wall, and roof systems, plus electrical and plumbing systems. Students experience a wide variety of learning activities including areas such as; reading and interpreting house plans and becoming familiar with the local building codes; foundation work, fanning of walls, floors and roof, plumbing, electrical, windows and doors, flooring installations, siding installation or repair, and deck or patio construction.



Building & Construction II

**College Credit Available*

12

Construction II covers structural footings, wall systems, physical properties of wood, building materials, and measurement grading. Hands-on projects allow students to thoroughly understand the principles and methods of rough residential carpentry by framing a mock-up, scaled-down home. Actual house framing including floor, wall and roof construction with special emphasis placed on the framing square for stair stringers, gable and hip rafter layout.

**College credit is available with South Suburban College for students that earn an A or B for the entire year. Building & Construction II, high school course = BLD 101 Construction Materials & Methods I-Woods (4 credit hours), SSC course.*

**Career
Program**