

Wallenpaupack Area School District

COURSE: Advanced Construction

GRADE LEVEL: 12

LENGTH OF COURSE: 90 Days

TEXT: Modern Carpentry

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COURSE DESCRIPTION:

Advanced construction furthers the student's skills in the carpentry field. Student's weather-proof the roof and exterior of the home, installing various types of windows and doors. Moving to the interior, they install door and window trim including various moldings. A large emphasis is placed on real-life projects constructed in the shop.

CURRICULUM WRITING TEAM:

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DATE OF REVISION:

2007

Wallenpaupack Area School District

Building Construction Occupations Overall Philosophy of Vocational Education

The vocational educational program is directed to certain primary goals. These are the gainful employment of a student and the ability to perform a certain skilled craft at the entry level of the craft. The vocational education program deals primarily with the preparation of a student for a specifically skilled trade(s) in the world of work for one or more of four distinct and precise occupations.

The vocational industrial education program is not exclusively a day school program. It includes the training and retraining of workers in displaced or changing jobs or can be used for the sake of broadening ones saleable skills.

The vocational education school program also includes general subject matter that relates to the trade: such as, reading, writing, math and technical language for the trade.

The vocational student will be able to solve problems common to the industrial vocation. They will have developed required skills and knowledge in an industrial vocation so that after graduation they will be prepared for entry into the trade for which they have been trained.

Building Construction Occupations Statement of Course Philosophy for Secondary Education

The course in Building Construction Occupations will serve the needs of students who plan on entering the construction industry as apprentices or learners and those who can become better citizens in the community with the benefit of knowledge in the Building Trades. This course will offer an opportunity for students to develop skills, knowledge and attitudes most desirable for entering the construction industry.

Special emphasis will be placed on the development of good attitudes in employer-employee as well as fellow worker relationships, safety and a feeling for the dignity of work.

Through course arrangement and scheduling, students will be afforded an opportunity to progress at the rate at which they are most capable.

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Course: Advanced Construction

Grade Level: Grade 12

Unit: Carpentry

PA Standards: 13.1

13.2

13.3

13.4

Topics:	Skills:
Exterior Finish <ul style="list-style-type: none">• Install exterior doors• Install exterior windows<ul style="list-style-type: none">○ Casement○ Double hung○ Awning○ Sliding	Students will perform all of the assigned tasks in the classroom and demonstrate an acceptable skill level in the shop area
Activities:	Performance Assessments:
Lecture Demonstrations Perform specified competencies in Carpentry Shop	Class Participation Class Attendance Shop Assessment <ul style="list-style-type: none">• Objective• Subjective Written Tests Skill Demonstration Tests

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Grade Level: Grade 12

Unit: Carpentry

PA Standards: 13.1

13.2

13.3

13.4

Topics:	Skills:
Interior Finish <ul style="list-style-type: none">• Hang interior doors• Install doorknobs• Install baseboards• Install ranch casing• Install shelving• Trim windows with extensions jambs and various sills	Students will perform all of the assigned tasks in the classroom and demonstrate an acceptable skill level in the shop area
Activities:	Performance Assessments:
Lecture Demonstrations Perform specified competencies in Carpentry Shop	Class Participation Class Attendance Shop Assessment <ul style="list-style-type: none">• Objective• Subjective Written Tests Skill Demonstration Tests

Wallenpaupack Area School District

Course: Advanced Construction

Grade Level: Grade 12

Unit: Carpentry

PA Standards: 13.1

13.2

13.3

13.4

Topics:	Skills:
Exterior Finish <ul style="list-style-type: none">• Install drip edge• Apply 15lb. felt• Install shingles<ul style="list-style-type: none">○ Traditional fiberglass impregnated○ Architectural fiberglass impregnated• Install ridge vent• Install caps	Students will perform all of the assigned tasks in the classroom and demonstrate an acceptable skill level in the shop area
Activities:	Performance Assessments:
Lecture Demonstrations Perform specified competencies in Carpentry Shop	Class Participation Class Attendance Shop Assessment <ul style="list-style-type: none">• Objective• Subjective Written Tests Skill Demonstration Tests

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Course: Advanced Construction

Grade Level: Grade 12

Unit: Permanent Construction

PA Standards: 13.1
13.2
13.3
13.4

Topics:	Skills:
Storage Buildings <ul style="list-style-type: none"> • Foundations • Decks • Walls • Windows/Doors • Siding • Rafters • Roofing • Wiring Live work <ul style="list-style-type: none"> • School/community improvement jobs related to the construction trades 	Students will perform all of the assigned tasks in the classroom and demonstrate an acceptable skill level in the shop area
Activities:	Performance Assessments:
Lecture Demonstrations Perform specified competencies in Carpentry Shop	Class Participation Class Attendance Shop Assessment <ul style="list-style-type: none"> • Objective • Subjective Written Tests Skill Demonstration Tests

Wallenpaupack Area School District

Course: Cooperative Education

Grade Level: Grade 12

Unit: Building Construction/Capstone

PA Standards: 13.1
13.2
13.3
13.4

Topics:	Skills:
Work Experience	Students will perform all of the assigned tasks given by their employer
Activities:	Performance Assessments:
Working in the applied field of study while receiving advanced training and compensation	Employer weekly evaluation

In the third year, if a senior student has successfully completed Building Construction I, II, and Advanced Construction, that student may take part in the Capstone Program. Capstone is a job in the work place directly related to Building Construction Content.

The job must be a meaningful work experience and must reinforce and add to what the student was taught in school.

Working conditions, work experience, and safety will be supervised by the Cooperative Capstone Coordinator.