Course Title: Building Construction Technologies 1 (Edits)
Course Number: 8720310

NGSSS Benchmark	Content Focus	Number of Points Possible	Suggested Cognitive Complexity *(per CPALMS)*
Reporting Category 3 03.0 Methods and strategies for using Florida Standards for grades 09-10 Mathematical Practices in Technical Subjects for student success in Building Construction Technologies			
03.04	Model with Mathematics	1	1 level 2
03.06	Attend to precision	1	1 level 2
Reporting category total		2	
Reporting Category 4: 04.0 Demonstrate the importance of health, safety and environmental management systems in organizations and their importance to organizational performance and regulatory compliance--The student will be able to			
04.01	04.01 Comply with all applicable Occupational Safety and Health Administration (OSHA) rules and regulations	1	1 level 1
04.03	04.03 Describe "Right-to-Know" Law as recorded in (29 CFR-1910.1200)	1	1 level 1
04.04	04.04 Identify and use safety equipment	1	1 level 1
Reporting category total		3	
Reporting Category 5: 05.0 Investigate the construction industry and explore related occupations--The student will be able to:			
05.12	05.12 Describe the process of applying for building permits and variances.	2	1 level 1 1 level 3
05.13	05.13 Demonstrate an understanding of zoning requirements	1	1 level 2
Reporting category total		3	
Reporting Category 8 08.0 Demonstrate mathematics knowledge and skills relevant to the construction industry--The student will be able to			
08.01	08.01 Solve job-related problems by adding, subtracting, multiplying and dividing	1	1 level 2
08.04	08.04 Read a ruler and a tape measure	1	1 level 2
08.05	08.05 Compute feet, inches and yards	1	1 level 2
08.09	08.09 Determine ratios and proportions	1	1 level 2
Reporting category total		4	
Reporting Category 09.0 Demonstrate carpentry skills--The student will be able to:			
09.04	09.04 Layout and install framing members for a structure	1	~~1 level 1~~ or 1 level 3
09.05	09.05 Dry in a structure.	1	1 level 2
Reporting category total		2	
Reporting Category: 10.0 Read and interpret construction drawings--The student will be able to:			
10.01	10.01 Identify basic construction drawing terms, components and symbols	1	1 level1
10.02	10.02 Locate sections, elevations and details to their location on the plan view.	1	1 level 3
Reporting category total		2	
Reporting Category 11.0 Frame floor systems based on drawing and specification			

requirements--The student will be able to:			
11.01	11.01 Identify floor and sill framing and support members.	1	1 level 1
11.03	11.03 Select the proper girder/beam and joist size from a list, given specific floor load and span data.	1	1 level 3
11.04	11.04 Identify different types of floor joists.	1	1 level 1
11.06	11.06 Identify different types of flooring materials.	1	1 level 1
11.07	11.07 Explain the purposes of subflooring and underlayment.	1	1 level 1 or ~~1 level 3~~
11.09	11.09 Estimate the amount of material needed to frame a floor assembly.	1	1 level 3
Reporting category total		6	
Reporting Category 12.0 Frame walls and ceilings based on drawing and specification requirements--The student will be able to:			
12.01	12.01 Identify the components of a wall and ceiling layout	1	1 level 1
12.02	12.02 Lay out out a wood frame wall, including plates, corner posts, door and window openings, partition Ts, bracing and firestops	2	2 level 2
12.03	12.03 Describe the correct procedure for assembling and erecting an exterior wall.	1	1 level 3
12.04	12.04 Identify the common materials and methods used for installing sheathing on walls.	1	1 level 2
12.09	12.09 Cut and install ceiling joists on a wood frame building.	`1	1 level 2
12.10	12.10 Estimate the materials required to frame walls and ceilings.	1	1 level 3
Reporting category total		7	
Reporting Category 13.0 Frame a roof based on drawing and specification requirements--The student will be able to:			
13.02	13.02 Identify the roof framing members used in gable and hip roofs.	1	1 level 1
13.03	13.03 Calculate the length of a rafter using various methods	1	1 level 2
Reporting category total		2	

Overall Percentage for Written Test:___30%_____
Overall Percentage for Performance Tasks:____70%_____

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Overall Percentage for Performance Tasks:___70%_____

Performance Task #1	**Build container**
Weighting Percent for this Task	70%
Standard	**06.0 Select and use basic hand tools, 07.0 Select and use power tools and describe their proper operation, 08.0 Demonstrate mathematics knowledge and skills relevant to the construction industry, 09.0 Demonstrate carpentry skills, 10.0 Read and interpret construction drawings, 12.0 Frame walls and ceilings based on drawing and specification requirements, 13.0 Frame a roof based on drawing and specification requirements**
Exemplar (If applicable)	
Additional Information	
Suggested Assessment Team	**Construction Tech Teachers from FPC and MHS and/or Teacher and admin with knowledge**

Rubric:

4 Project was completed with great quality
3 Project was completed, finer details omitted
2 Project completed multiple steps missed
1 Project completed, multiple steps missed, poor effort
0 Project started, not finished