A Parent's Guide
For Interpreting Scores

NOCTI

ABOUT NOCTI CREDENTIALS

Career and Technical Education (CTE) programs provide an exceptional learning environment for students to acquire both knowledge and skills. Measuring these skills is an essential part of preparing students for their chosen career field and/or higher education upon completion of their CTE program of study.

Based on national and industry standards, NOCTI credentials measure not only what a student knows, but also how their knowledge and skills are applied. Blueprints are available for all NOCTI credentials and provide important details such as a competency list, percentage breakdowns, sample questions and jobs, and administration specifics. As the industry changes, NOCTI's credentials reflect those changes.

KNOWLEDGE-BASED CREDENTIALS

NOCTI's knowledge-based credentials consist of items related to a specific program of study, delivered in either an online or hard copy format. Students typically take a post-test near the end of their program. Schools may choose to administer the knowledge-based component in the fall as a pre-test to help diagnose a student's beginning knowledge. Depending on the school or state assessment program, your student may be required to complete only the knowledge-based component of the assessment.

SKILL-BASED CREDENTIALS

The skill-based credentials consist of jobs that allow students to demonstrate their skills by completing an actual segment of work using tools, materials, and equipment found in the occupation. During the skill-based component, student work is graded by an independent evaluator using a standardized evaluation process. Evaluators may include local business and industry representatives, program advisory committee members, and active or retired military personnel. Skill-based credentials are not graded by the student's instructor.

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ABOUT THE SCORES

NOCTI scores all credentials and provides an Individual Score Report with a summary of the knowledge-based and/or skill-based results. The report contains an overall test score along with scores for each standard covered on the credential. For students who have taken the knowledge-based component as a pre-test, the score report will include both the pre- and post-test scores, as well as the percent of change between the scores. Additional information provided on the Individual Score Report includes averages for the nation, state, and school (site). School administrators can use score data to recognize student achievement, promote continuous program and instructional improvement, and meet state and federal requirements.

Care should be taken in interpreting the results of the credential. Your student's scores reflect performance on a single day under standardized administration processes. The overall score is the most stable score on the report. The standard scores vary more because there are fewer items within each of the standards. If you have questions, you are encouraged to discuss these results with your student's instructor. The instructor is in the best position to provide further guidance in identifying the most appropriate instruction for your student. Please note that the results do not independently measure future success on the job.

Individual Scores
Participant Name: Sample Name
Site: Sample Site
Test Date: XX/XX/XXXX

Participant ID: XXXXXXX
Level: Secondary
Type: Post-Test

CREDENTIAL TITLE AND CODE

Written-Cognitive

Standard #	Standard Description	Pre-Test	Post-Test	% Change	Group	Site (Cumulative)	State	Nation
1	Standard 1	60.0	80.0	20.0	76.0	61.7	63.4	70.2
2	Standard 2	28.1	84.4	56.3	67.2	57.3	61.1	68.3
3	Standard 3	16.7	83.3	66.6	77.1	67.5	71.9	70.3
4	Standard 4	40.0	75.0	35.0	69.5	60.9	63.0	65.0
5	Standard 5	40.0	64.0	24.0	51.2	47.7	54.5	53.0
6	Standard 6	42.9	85.7	42.8	72.1	65.6	72.5	71.3
7	Standard 7	23.1	76.9	53.8	53.1	52.0	56.0	57.0
	Total	**35.1**	**78.4**	**43.3**	**66.8**	**58.7**	**62.9**	**69.7**

For a list of the standards (areas covered) for a specific program, refer to the Blueprint at www.nocti.org.

Performance-Psychomotor

Job #	Job Title	Post-Test	Group	Site (Cumulative)	State	Nation
1	Job 1	88.6	79.4	82.0	92.2	92.2
2	Job 2	96.0	83.6	82.2	91.7	91.7
3	Job 3	100.0	90.5	77.7	91.8	91.8
4	Job 4	100.0	90.4	86.5	94.7	94.7
5	Job 5	100.0	92.0	85.3	95.6	95.6
6	Job 6	100.0	92.0	85.1	93.7	93.7
7	Job 7	100.0	92.0	84.8	94.9	94.9
8	Job 8	100.0	92.0	86.4	93.3	93.3
	Total	**– 98.1 –**	**88.8**	**83.6**	**93.3**	**93.3**

For a list of jobs to be evaluated during the skill-based component, refer to the Blueprint for the specific program.

INTERPRETING THE SCORE REPORT

Pre-test/Post-test – A total post-test score is reported for each student as well as for each standard and/or skill-based job. Pre-test scores are reported, when applicable, and the percentage change from pre-test to post-test administration is included at the standard level and for the total score.

% of Change – Compares the pre-test score to the post-test score. This is the percentage of gain or loss for the student. If a pre-test was not administered, the pre-test and percent of change columns will be blank.

Group – Average of the testing group (class) for the test code and test date.

Site Cumulative – Average of all students who have taken a credential at the school since the credential was released for use. This average includes the current testing group.

State – Average score for all students in the state who have taken this credential since it was released for use.

Nation – Average score for all students who took this credential anywhere in the nation.