NRP 2879: *Core Skills in Science*
correlated to CASAS

Description	NRP 2879: *Core Skills in Science*
CASAS Competencies	
0.1.0 Communicate in interpersonal interactions	All Chapters
5.7.0 Understand issues related to science and ethics	All Chapters
5.7.1 Interpret information related to environmental issues	All Chapters
5.7.2 Interpret information related to energy issues	All Chapters
5.7.3 Interpret information about issues related to natural sciences, such as biology	All Chapters
5.7.4 Interpret information related to technological issues	All Chapters
7.2.0 Demonstrate ability to use critical thinking skills	All Chapters
7.2.1 Identify and paraphrase pertinent information	All Chapters
7.2.2 Analyze a situation, statement, or process, identifying component elements and causal and part/whole relationships	All Chapters
7.2.3 Make comparisons, differentiating among, sorting, and classifying items, information, or ideas	All Chapters
7.2.4 Identify or make inferences through inductive and deductive reasoning to hypothesize, predict, conclude, and synthesize	All Chapters
7.2.5 Evaluate a situation, statement, or process, assembling information and providing evidence, making judgments, examining assumptions, and identifying contradictions	All Chapters
7.2.6 Generate ideas using various approaches, such as brainstorming	All Chapters
7.2.7 Consider factors involved in making decisions, such as goals, constraints, consequences, alternatives, and input from others	All Chapters
7.2.8 Demonstrate abstract thinking, such as understanding symbolism and metaphors	All Chapters
7.3.0 Demonstrate ability to use problem-solving skills	All Chapters
7.3.1 Identify a problem and its possible causes	All Chapters
7.3.2 Devise and implement a solution to an identified problem	All Chapters
7.3.3 Evaluate the outcome of an implemented solution and suggest modifications to the solution as needed	All Chapters
7.3.4 Use problem-solving strategies, such as breaking down the problem into component parts and generating alternative or creative solutions	All Chapters
Content Standards	
R7.6 Paraphrase information	Units 1–4
R7.7 Summarize a text	Units 1–4
R7.8 Make inferences and draw conclusions from simple text	Units 1–4
R7.9 Make inferences and draw conclusions from complex text	Units 1–4
R7.10 Differentiate fact from opinion in a written text	Units 1–4

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