Indiana Integrated STEM

Grade 1

Communication and Collaboration CC	1	**Collect and document evidence to share information with others in pictures, diagrams, or text.** 1.CC.1
	2	**Communicate the solution(s) of a problem/analysis either orally, visually or in writing, which may include process steps, findings, or conclusions.** 1.CC.2
	3	**Identify roles and responsibilities to collaborate in various group settings (i.e., online, onsite and/or hybrid) and situations.** 1.CC.3
Data Analysis and Measurement DM	1	**Estimate to determine appropriate measurement tools to use and apply measurements (e.g., time, length) defined in grade level content standards to analyze real-world scenarios.** 1.DM.1
	2	**Construct visual representations defined in grade level content standards (e.g., bar graphs, charts) to determine patterns.** 1.DM.2
	3	**Evaluate reasonableness of observations, results, and solutions throughout processes.** 1.DM.3
Inquiry-Based Approaches and Problem Solving IPS	1	**Form observations, ask questions, plan and conduct investigations to answer questions or solve problems.** 1.IPS.1
	2	**Decompose a complex problem into smaller steps or sequences to evaluate (e.g., what should be done first, second) appropriate to grade-level content.** 1.IPS.2
	3	**Determine one or more viable solutions using data and information to resolve a given scenario.** 1.IPS.3
Applications and Modeling AM	1	**Apply modeling to represent physical or conceptual objects (e.g., plants, animals, base-ten blocks).** 1.AM.1
	2	**Apply symbols and relationships (e.g., place value, <, =, >, operations) to represent physical or conceptual objects (e.g., letters or numbers may represent objects).** 1.AM.2
	3	**Describe that systems have parts that work together to accomplish a goal (e.g., plant life cycle, computer hardware and software).** 1.AM.3

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Information and Digital Literacy IDL	**1** **Consider how technology can both serve as a tool and/or create the problem to be solved.** 1.IDL.1
	2 **Review and compile information from multiple sources (with guidance) to solve a problem.** 1.IDL.2