Indiana Integrated STEM

Grade 3

Communication and Collaboration CC	**1** Collect and document evidence to share information with others in charts, tables, presentations, or text. 3.CC.1
	2 Communicate the solution(s) of a problem/analysis either orally, visually, or in writing, including process steps, findings, or conclusions. 3.CC.2
	3 Identify and implement roles and responsibilities to collaborate in various group settings (i.e., online, onsite and/or hybrid) and situations. 3.CC.3
	4 Communicate specific constraints and criteria established for an investigation. 3.CC.4
	5 Critique or support methods, investigations, or arguments using evidence-based reasoning. 3.CC.5
Data Analysis and Measurement DM	**1** Determine appropriate measurement tools to perform measurements and calculations (e.g., fractions, pounds, temperature, perimeter, area) defined in grade level content standards to analyze real-world scenarios. 3.DM.1
	2 Construct visual representations defined in grade level content standards (e.g., bar graphs, pictographs) to determine patterns, using digital tools when possible and feasible. 3.DM.2
	3 Evaluate reasonableness of observations, results, and solutions throughout processes. 3.DM.3
	4 Choose data sets and analysis methods to support the inquiry process. 3.DM.4
Inquiry-Based Approaches and Problem Solving IPS	**1** Plan and conduct an investigation to answer a specific question or solve a specific problem. 3.IPS.1
	2 Decompose a complex problem into smaller steps or sequences to evaluate (e.g., what should be done first, second). 3.IPS.2
	3 Determine one or more viable solutions using data and information to resolve a scenario given criteria and constraints. 3.IPS.3
Applications and Mc	**1** Apply symbols and relationships (e.g., equations) to represent physical or onceptual objects (e.g., letters, numbers, or displays of color may represent bjects). 3.AM.1

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	2 **Create a model showing a subsystem as part of a larger system.** 3.AM.2
Information and Digital Literacy IDL	1 **Identify and evaluate the impact of technology when selecting tools to solve a problem in order to determine the most effective solution.** 3.IDL.1
	2 **Review and compile information from multiple sources to solve a problem.** 3.IDL.2
	3 **Describe how solutions or technologies are adapted to meet the changing needs and wants of individuals or communities.** 3.IDL.3