Indiana Integrated STEM

# Grade 5

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

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| | color may represent objects). 5.AM.1 |
| | 2 Create a model showing a subsystem as part of a larger system. 5.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. 5.IDL.1 |
| | 2 Review and compile information from multiple sources to solve a problem. 5.IDL.2 |
| | 3 Describe how solutions or technologies are adapted to meet the changing needs and wants of individuals or communities. 5.IDL.3 |