### INITIATE & PLAN
- Identifying a problem or need through curricular observation
- Defining testable questions, researching and considering possible answers and solutions
- Hypothesizing
- Selecting

### PERFORM & RECORD
- Developing and safely carrying out an investigation
- Observing, collecting, and recording results
- Using Instruments
- Calibrating
- Measuring
- Recording
- Designing
- Constructing
- Experimenting
- Evaluating

### ANALYZE & INTERPRET
- Reviewing results carefully by examining data and identifying patterns
- Deciding what the results mean
- Evaluating and refining solutions
- Comparing
- Contrasting
- Classifying
- Graphing
- Recording
- Planning
- Analyzing
- Classifying
- Evaluating

### COMMUNICATE
- Explaining procedures and results through writing, speaking, visual or electronic means
- Discussing
- Explaining
- Reporting
- Writing
- Reflecting
- Teaching

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**Adapted from research by Trowbridge, Bybee and Powell 2000**

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