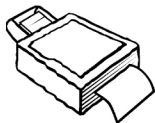


Table 9.2



GENERIC CHECKLIST

Questioning

- The student can
- Explore ideas
 - Form a question
 - Remain curious
 - Design an investigation
 - Formulate a hypothesis
 - Note discrepant events
 - Notice problems
 - Challenge ideas
 - Remain skeptical

Gathering Data to Explore Questions

- The student can
- Observe properties
 - Identify ways to measure data
 - Seek additional information
 - Use science equipment
 - Measure accurately
 - Estimate answers
 - Examine more than one variable
 - Select variables
 - Name an object

Examining Data to Answer Questions

- The student can
- Classify objects into groups
 - Make predictions
 - Analyze results
 - Describe observations
 - Make comparisons
 - Graph information
 - Order or sequence data
 - Search for patterns
 - Tabulate information
 - Identify errors
 - Interpret data
 - Control variables
 - Calculate
 - Make drawings or diagrams

Answering Questions

- The student can
- Communicate results
 - Summarize information
 - Make revisions
 - Make decisions
 - Demonstrate knowledge
 - Identify limitations
 - Make inferences
 - Describe discrepancies
 - Establish criteria
 - Offer evidence
 - Verify results
 - Solve problems
 - Generate new questions
 - Establish relationships