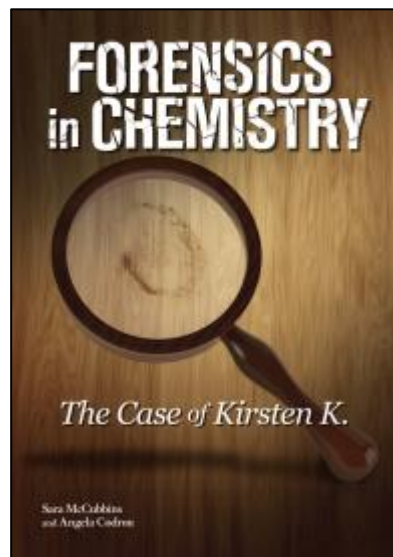


# Forensics in Chemistry: The Case of Kirsten K.

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<b>Focus Area:</b>	Activities and Exercises, Classroom Practice and Direct Instruction, Inquiry Learning
<b>Key Learning Area:</b>	Science



## Summary

How did Kirsten K.'s body wind up at the bottom of a lake – and what do wedding cake ingredients, soil samples, radioactive decay, bone age, blood stains, bullet matching and drug lab evidence reveal about whodunit? These mysteries are the core of this teacher resource book, which meets the unique needs of secondary school chemistry classes in a highly memorable way. The book makes forensic evidence the foundation of a series of hands-on, weeklong labs. As you weave the labs throughout the year and students solve the case, the narrative provides vivid lessons in why chemistry concepts are relevant and how they connect.

All chapters include case information specific to each performance assessment and highlight the related national standards and chemistry content. Chapters provide

- teacher guides to help you set up
- student performance assessments
- suspect files to introduce the characters and new information about their relationships to the case
- samples of student work that have been previously assessed (and that serves as an answer key for you)
- grading rubrics.

Using *Forensics in Chemistry* as your guide, you will gain the confidence to use inquiry-based strategies and performance-based assessments with a complex chemistry curriculum. Your students may gain an interest in chemistry that rivals their fascination with *Bones* and *CSI*.

## Other Resources

- *Argument-Driven Inquiry in Chemistry: Lab Investigations for Grades 9–12* (NST9082)
- *Student Lab Manual for Argument-Driven Inquiry in Chemistry: Lab Investigations for Grades 9–12* (NST0508)