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eCurriculum System eMAP

Licensed to: TRUMBULL PUBLIC SCHOOLS

COURSE: Honors Biology      CODE:

UNIT: Unit 1: Lab Safety & Equipment      MAP LEVEL:

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TIME FRAME: 3 Days

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#### PERFORMANCE STANDARDS

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#### ESS/FOCUS QUESTIONS

Essential Questions:

How do Biologists conduct scientific investigations safely?

Focus Questions:

What are the key pieces of equipment in a science laboratory?

How do specific pieces of safety equipment function?

What pieces of equipment are best suited for certain scientific investigations?

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#### CONTENT

1. There are risks involved in performing laboratory experiments.
  2. Safety rules and regulations are designed to prevent accidents from occurring.
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## SKILLS

Students will be able to:

1. Explain why safety rules exist in the biology lab.
2. Abide by the safety rules and regulations set forth by the safety contract.
3. Identify and explain the appropriate techniques and procedures to use in a laboratory setting.
4. Identify the uses of laboratory equipment and safety devices.

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## ASSURED EXPERIENCES

Review general laboratory safety protocol (pg 680-686 BSCS Blue).

Review Flinn Safety Contract with students. Obtain parent/guardian and student signatures on safety contract.

View the Flinn 'Introduction to Lab Safety' video for Life Science.

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## ASSESSMENTS

Quiz after viewing the Flinn Lab Safety video.

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## OPTIONAL ACTIVITIES

Quiz on laboratory equipment identification.

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## RESOURCES

BSCS Blue textbook

Flinn Lab Safety for Life Science video

Flinn Safety contract

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ADDITIONAL NOTES