

Changing the Density of Bread

Summary

Students in small groups will discover how to change the density of a slice of bread.

Time Frame

1 class periods of 45 minutes each

Group Size

Small Groups

Materials

per group:

- one slice of bread
- triple beam
- metric ruler
- calculator
- plastic knife
- paper towel

- [Worksheet](#)

per class:

- toasters (at least 2)
- beakers
- water
- other items the students may think of

Student Prior Knowledge

density, experimental procedures

Instructional Procedures

This is to be an inquiry lab. If students do not have experience setting up experiments and recording data they may need guidance with those details but you do not want to give them exact instructions. Given the tools they will come up with plan to change the density of bread. They should compute and record the starting density then conduct their experiment and record the new data.

Assessment Plan

Student participates and cooperates in group work.....	4
Students establish correct starting density for bread.....	4
Student design and conduct an experiment on bread density.....	4
Students accurately analyze and draw conclusions.....	4

Bibliography

Lesson Design by Jordan School District Teachers and Staff.

Authors

[Utah LessonPlans](#)