

# Density Field Trip

## Summary

Students will be taken around to different rooms in the building and analyze the density of the students in that area.

## Main Core Tie

SEEd - Grade 6

[Strand 6.2: ENERGY AFFECTS MATTER Standard 6.2.2](#)

## Time Frame

1 class periods of 30 minutes each

## Group Size

Individual

## Materials

- [Density Field Trip worksheet](#)

## Instructional Procedures

You might want to let the administration know that you and your class will be wandering around the building.

Ask the students what the density of elephants in your room is, low or high? Ask several questions like this to get them thinking of density in this way.

After a brief introduction of density, mass, and volume I have my students go on a short field trip around the school. We start in the classroom and that will serve as our comparison for the remainder of the trip. The students are the particles of matter or the mass.

The places you choose to visit define the volume. Compare the density of each stop to the density in the classroom.

One of the stops should be a very small room so they can really understand what happens to density when matter remains constant, but the volume decreases greatly. Also, when you are in the small room, let some of the mass out and ask what happens to the density

## Assessment Plan

Complete, best effort, cooperated, answered questions correctly.....4  
Complete, best effort .....3  
Partially complete and lacking effort.....2  
Started lab and did not complete.....1

## Bibliography

Lesson Design by Jordan School District Teachers and Staff.

## Authors

[Utah LessonPlans](#)