

measure mass
use grams
or kilograms

Temperature
degrees Celsius

Zero degrees
freezing water

Density equals
mass divided
by volume

grams per
milliliter

or grams per
cubic centimeter

Many tools are
very simple

geologists use
rock hammers
in the field

Use radar
to find rain
or snow

use microscopes
to examine
composition of materials

aerial photographs
identify features
on the ground

Stereoscope gives
3 dimensional view

Telescopes
gather light

distant objects
can be seen

Computers
analyze data

Satellites used
remote sensing

computers filter
satellite images

identify
specific features
models used
make predictions

Four types
of models
Physical models
like globes

mental models
show things
that cannot be seen

Mathematical models
explain with equations
like $E=mc^2$