

Golden Ratio Project

Goal: The students will discover the Golden Ratio by measuring different parts of their bodies. They will find that no matter how large or how small we are, we all have some proportions very close to the Greek ideal somewhere in our bodies.

Include: The student will use tape measurers to measure their body parts that are given in the instruction sheet. They are to collect the data for their groups of two or three and record it on the provided sheet. After they have collected the data they are to figure and record the proportions. The students will then discuss their surprising discovery with their group, and write a one page report on the activity.

Include in the report:

- An account of your activity – include your feelings and any problems you may have encountered.
- What you discovered by participating in the activity.
- Why you believe that the proportions came out the way they did.
- Anything else you would like me to know about your group's activities.

Grading:	Following Instructions	5 points
	Data Sheet	5 points
	One Page Report	10 points
	TOTAL:	20 points

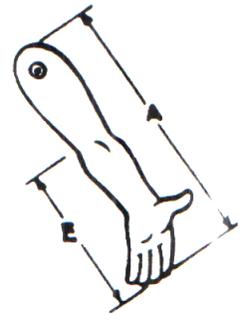
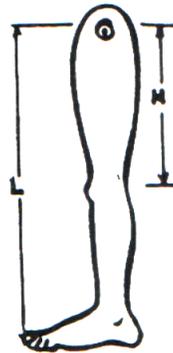
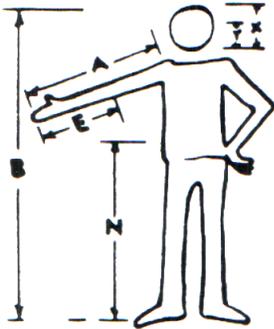
Helpful Hints: Before you begin, discuss with the students proper ways to measure using the measuring tapes. Also decide what units the students should use for this project.

WHAT TO MEASURE

- 1) Measure your height (B) and your navel height (N).
- 2) Measure the length of your index finger (F) and the distance from your finger tip to your big knuckle (K).
- 3) Measure the length of your leg (L) and the distance from your hip to your knee cap (H).
- 4) Measure the length of your arm (A) and the distance from your finger tips to your elbow (E).
- 5) Measure two more of your body parts (your choice) that you suspect may be in the Golden Ratio.

Part One _____

Part Two _____



NAME	B	N	E	K	L	H	A	E	1	2

B/N _____ F/K _____ L/H _____ A/E _____ 1/2 _____