

Learning Goals

Met School

Met School Learning Goals

FIVE LEARNING GOALS

Empirical Reasoning	1
Quantitative Reasoning	2
Communication	3
Social Reasoning	4
Personal Qualities	5

How do I prove it?
Empirical Reasoning
 This goal is to think like a scientist: to use empirical evidence and a logical process to make decisions and to evaluate hypotheses.

What *idea* do I want to test?
 What has other *research* shown?
 What is my *hypothesis*?
 How can I *test* it?
 What *data* do I need to collect?
 How will I *collect* the information?
 What will I use as a *control* in my research?
 How *good* is my information?
 What are the *results* of my research?
 What *error* do I have?
 What *conclusions* can I draw from my research?
 How will I *present* my results?

How do I measure, compare or represent it?
Quantitative Reasoning
 This goal is to think like a mathematician: to understand numbers, to analyze uncertainty, the properties of shapes, and to study how things change over time.

How can I use numbers to *evaluate* my hypothesis?
 What *numerical* information can I collect about this?
 Can I *estimate* this quantity?
 How can I *represent* this information as a formula/diagram?
 How can I *interpret* this formula or graph?
 How can I *measure* its shape or structure?
 What *trends* do I see?

How do I take in and express ideas?
Communication
 This goal is to be a great communicator: to understand your audience, to write, read, speak and listen well, and to use technology and artistic expression to communicate.

How can I *write* about it?
 What is the *main idea* I want to get across (thesis)?
 Who is my *audience*?
 What can I *read* about it?
 Who can I *listen* to about it?
 How can I *speak* about it?
 How can *technology* help me to express it?
 How can I express it *creatively*?

What are other people's perspectives?
Social Reasoning
 This goal is to think like an historian or anthropologist: to see diverse perspectives, to understand social issues, to explore ethics, and to look at issues historically.

How do diverse communities *view* this?
 How does this issue affect *communities*?
 Who *cares* about this? To whom is it *important*?
 What is the *history* of this?
 How has this issue *changed* over time?
 What *social systems* are in place around this?
 What are the *ethical questions* behind this?

What do I bring to this process?
Personal Qualities
 This goal is to demonstrate respect, responsibility, organization, leadership, time management, and to reflect on your abilities and strive for improvement.

How can I *demonstrate* respect?
 How can I *empathize* more with others?
 How can I strengthen my *health* and well-being?
 How can I communicate *honestly* about this?
 How can I be *responsible* for this?
 How can I *persevere* at this?
 How can I better *organize* my work?
 How can I better *manage my time*?
 How can I *enhance my community* through this?

Students & Advisors use the Learning Goals to help **expand** their project work and **challenge** themselves with new ideas.