# big picture learning goals

**PHILOSOPHY**  The Big Picture learning goals are a framework for looking at real-world concepts and abilities necessary to being a successful, well-rounded person. The learning goals are not content-oriented curricula, nor are they completely distinct categories. Good project work incorporates many overlapping elements of the Learning Goals.

## 1.  EMPIRICAL REASONING

### How do I **prove** it?

This goal is to think like a scientist: to use empirical evidence and a logical process to make decisions and to evaluate hypotheses. It does not reflect specific science content material, but instead can incorporate ideas from physics to sociology to art theory.

What *idea* do I want to test? (essential question)

What has other *research* shown?

What is my *hypothesis*? How can I *test* it?

What *information* (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?

## 2.  QUANTITATIVE REASONING

### How do I **measure**, compare or represent it?

This goal is to think like a mathematician: to understand numbers, to analyze uncertainty, to comprehend 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 or diagram?

How can I *interpret* this formula or graph?

How can I *measure* its shape or structure?

What *trends* do I see? How does this change over time?

What *predictions* can I make?

Can I show a *correlation*?

### 3. COMMUNICATION

## How do I take in and express ideas?

This goal is to be a great communicator: to understand your audience, to write, read, speak and listen well, to use technology and artistic expression to communicate, and to be exposed to another language.

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**?

How can I express it in **another language**?

### 4. SOCIAL REASONING

## What are other people's perspectives on this?

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 different **communities**?

**Who cares** about this? To whom is it important?

What is the **history** of this?
How has this issue **changed** over time?

Who **benefits** and who is **harmed** through this issue?

What do people **believe** about this?

What **social systems** are in place around this?

What are the **ethical questions** behind this?

What do **I think** should be done about this?

What can **I do**?

### 5. PERSONAL QUALITIES

## What do I bring to this process?

This goal is to be the best you can be: 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?
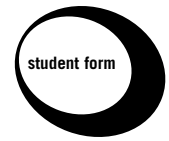
How can I better **manage** my time?

How can I be more **self-aware**?

How can I take on more of a **leadership** role?

How can I work **cooperatively** with others?

How can I **enhance my community** through this?

# big picture 101

## AS A FIRST YEAR STUDENT, YOU ARE EXPECTED TO:

- Follow your interests in the real world (Informational Interviews, Shadow Days, and LTIs).

- Obtain an LTI during the first semester.

- Have a positive impact on the community (service learning, etc.).

- Meet with your full Learning Plan Team at least four times a year.

- Reflect on gaps in your learning and address them through project work.

- Create at least four Learning Plans during the year.

- Complete the work in your Learning Plans.

- Build a Portfolio of your work online. Save hard copies of your work in your Working Portfolio and your Portfolio Box.

- Exhibit your work publicly four times a year.

- Write in your journal three times per week.

- Schedule your Supercalendar every week.

- Come to school each day on time.

- Be responsible for your location and actions.

- Show respect for others and yourself.

- Take responsibility for the learning process.

- Take advantage of opportunities and make summer plans.

- Take part in mediations if conflicts arise.

- Prepare for any required state assessments.

respect
responsibility
interests