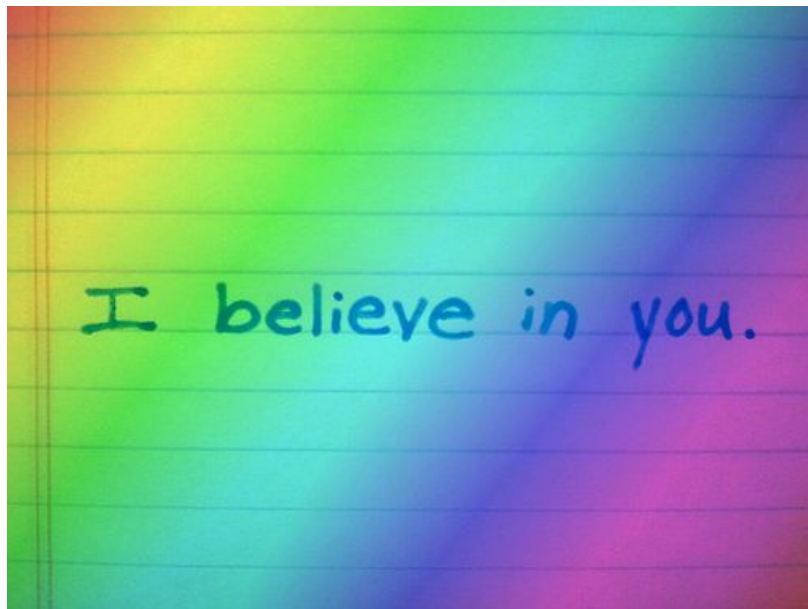


# Howard Elementary Makerspaces Journal



*community of learners daring to dream, explore and create. One way we do this is  
Makerspace. A place where we use a variety of tools, materials and our 21st  
to help us develop ourselves as life-long learners, peer collaborators and  
s.*

Name \_\_\_\_\_

## Imagine

\* Brainstorm \* Set a goal \* Sketch models \* Gather information

### Questions for Imagining

- What would I like to learn more about?
  - What resources will I use?
- Will I work alone, in a group, or with a partner?
  - What might be some challenges I may face?
- How will I demonstrate my learning to my audience?

Sketch or Write

## Learn

\*Plan \*Research \*Identify challenges \*Test \*Improve

### Questions for Learning

- What questions do I need to answer?
- What worked and what needs improvement?
  - What changes can I make to improve?
- Who can I collaborate with to improve my project?

Sketch or Write

## Create

\*Build, Construct \*Share \*Observe others \*Reflect \*Repair

### Questions for Creating

- Who is my audience?
- What will I make to share what I've learned?
- Does my final product meet my goals?

Sketch or Write

## Improve

\*Discuss with peers   \*Look at from a different perspective   \*Fix or make better

### Questions for Improving

- What is something that I can change to make it better?
- How do I see my project looking in the end?

Sketch or Write

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For this project, I used

Creativity

**Collaboration**

Critical Thinking

Communication

**Citizenship**