

Prototyping Process Checklist for Elementary



Phase 1: Understanding the problem

- I learned more about the problem
- I know who I am making this for
- I know how to explain the problem to others
- I need to meet with my teacher



Phase 2: Brainstorming

- I sketched my ideas to solve the problem
- I learned more about ways to solve the problem
- I worked with others to get more ideas
- I made a final sketch of my new learning
- I learned from others and combined those ideas with my own
- I need to meet with my teacher



Phase 3: Creating a Plan to Test Prototypes

- I have a plan to test if my prototype works
- I know what I need to learn more about
- I am organizing my information
- I made a chart or graph to understand my information
- I know what works and what doesn't
- I need to meet with a teacher



Phase 4: Make a Prototype

- I am building the prototype using my design
- I am taking pictures/video and writing down changes to my design
- I need to meet with my teacher



Phase 5: Test a Prototype

- I tested the prototype from my plan
- I used the right tools to test my prototype
- I wrote down the results of my test (data)
- I organized the data to make sense of it
- I used math skills to understand the data
- I took pictures/video or wrote down what was happening
- I need to meet with my teacher



Phase 6: Evaluate the Solution

- I used the data to decide if it worked
- I learned from others and may have changed my design
- I made changes based on what I learned
- I need to meet with my teacher

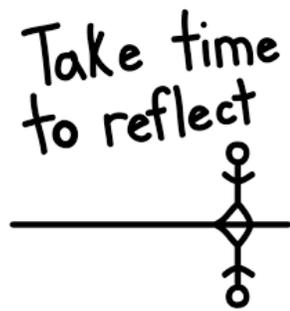


Phase 7: Launch your Solution

- I can write or say directions so someone else can use my prototype
 - I am making a video to show how my prototype/solution works
 - I am making an advertisement that shows how my prototype/solution works
 - I am making a step-by-step storyboard to show how my prototype/solution works
 - I am presenting to an audience to explain

how my prototype/solution works

- I need to meet with my teacher



Phase 8: Reflect on your Solution

- I am getting feedback from people other than in my classroom
- I thought about what went well
- I thought about what could have been better
- I know what I would do differently next time
- I know what step was best for me/my team
- I shared my prototype/solution and explained my thoughts/ideas
- I need to meet with my teacher