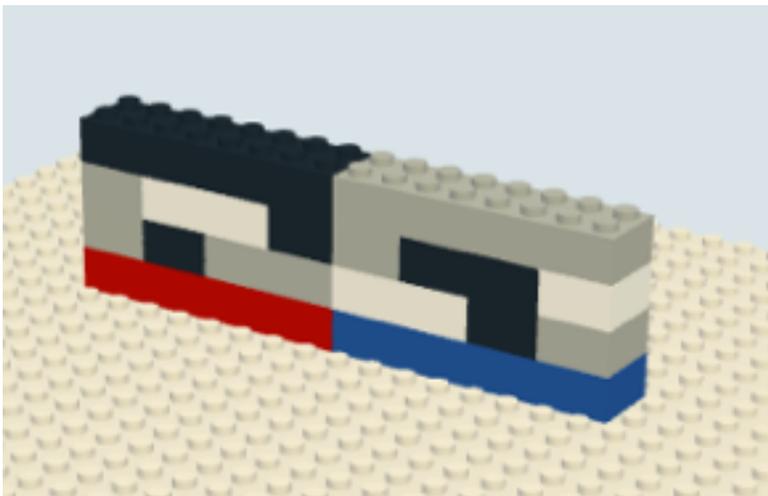


Questions - please answer in complete sentences

1. What were the priorities of the project?
2. What did you learn from your prototype? What was good and bad about your model?
3. What modifications did you make? explain or draw



4. Observe the wall. Circle the areas you would modify and explain why you would change those areas.

Engineering Vocabulary

Criteria: Your goal for the project. What you have to do to be successful.

Constraint: Limits on your project. This includes time, materials, etc.

Priority: An important element of the design. The reason why.

Trade-off: . A balancing of factors, all of which you can't include. What do you have to sacrifice to complete the project? Often this is adding decoration or unnecessary pieces.

Prototype: (noun) an early design that is used as a model for what comes later.

Modification: a change in your design meant to improve performance.
verb~to modify



Basic Brick Wall Pattern

Science and Engineering Practices:

Engineering Design

Highly Proficient (4)	Proficient (3)	Nearly Proficient (2)	Developing (1)
<p><u>Design</u> All requirements for a 3, plus:</p> <ul style="list-style-type: none"> <input type="checkbox"/> I can create a diagram of the modification that I made. <input type="checkbox"/> I can identify priorities in design decisions. 	<p><u>Design</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> I can provide rough sketches for design solutions. <input type="checkbox"/> I can identify and describe the strengths and/or weaknesses of the design. <input type="checkbox"/> I can give at least one design solution 	<p><u>Design</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> I can test my design at least once and may make a modification to improve the design. 	<p><u>Design</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> No evidence of design before and after modification.