# WESTWIND SCHOOL DIVIISION
# 2023 LEGO CHALLENGE
# SCORING RUBRIC

Using only Lego, students test their engineering abilities by skillfully creating a Lego masterpiece. The final product may be as simple as building a house or creating a working robot; the more unique and creative the better! Structure designers mustn't ignore scoring rubric for best chances of winning. **Engineers will showcase the final display by submitting photos and a written or video description.**

Individual Student Winners will receive $150 for their school to purchase STEM activity supplies.

| Category | 4 Points | 3 Points | 2 Points | 1 Point |
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| **Design** | The Lego build has multiple design features that make it an Engineering masterpiece. | The Lego Build has Engineering incorporated and overall has a good design that is functional. | The Lego Build has Engineering incorporated but due to design it is not very functional. | There is a lack of design, and nothing is functioning as intended. |
| **Creativity** | The build incorporates many generic Lego pieces that did not come from a kit; it's an original piece. | The build came from a kit, but it incorporated several different pieces that make it unique and original. | The build is from a kit and incorporates a few generic pieces but overall, it is not completely unique. | The build is completely as it arrived in the kit. |
| **Explanation / Rational** | There is a complete, interesting writeup or video explaining the Lego build that extensively elaborates on the details of the build and the success and challenges that came with it. | There is a writeup or video that explains the build and gives details of the successes and challenges that came with the build. | There is a writeup or video that explains the build and includes some details of the successes and challenges that came with the project. | Student includes a writeup or video but includes very little details about the project and the successes and challenges that came with it. |
| **Aesthetic Appeal** | The build utilizes Lego pieces in a way that adds to the function and form of the build in an extremely clean way. No extra blocks are added or unnecessarily protruding from the build. | The build utilizes Lego pieces in a way that adds to the function and form of the build in a functional way. There are a few unnecessary blocks or a few blocks protruding from the build. | The build utilizes Lego pieces in a way that hinders the function and form of the build. There are many unnecessary blocks and multiple blocks protruding from the build. | The build utilizes Lego pieces in a way that hinders the function and form of the build. There are many unnecessary blocks and multiple blocks protruding from the build. Blocks are placed in a very unorderly way. |
| **Attention to Detail and Planning** | The build reflects that extreme planning and forethought went into the build. Build is expertly planned out and executed. | The build shows that good planning and forethought went into the build. | The build shows that planning and forethought went into the build. More effort in planning could have created a better piece. | The build shows that little to no planning and forethought went in the build. Planning out the project or reinventing it would have been beneficial. |
| **Curriculum Integration (Classroom entries only)** | *(Class entries Only)* The project fits into the curriculum perfectly and is a great example of displaying student learning. Curriculum ties are specifically described in the write up or video. | The project fits into the curriculum and is a good example of displaying student learning. Curriculum ties are mentioned in the video or write up. | The project does not seem to fit into the curriculum. It demonstrates student learning, but the outcomes proposed do not fit the project. | The project did not meet any learning outcomes or display any type of meaningful learning tied to the curriculum. |
| **Total:** | | | | |