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| **NGSS Standards covered in Unit 2** |
| *MS-PS2-1* | Apply Newton’s Third Law to design a solution to a problem involving the motion of two colliding objects. |
| *MS-PS2-2* | Plan an investigation to provide evidence that the change in an object’s motion depends on the sum of the forces on the object and the mass of the object. |
| *MS-ETS1-1* | Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions. |
| *MS-ETS1-2* | Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem |
| *MS-ETS1-3* | Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success. |