

My child used Brinklink Studio as well as Bricklink Parts Designer to design a next gen NASCAR frame. He focused on ensuring strength and accuracy of the car. This one is incomplete, when finished it will be designed to fit all three NASCAR Cup Series car body shells. / Subject Explorer / LearningCorner.co

Art

- The student learned about design and aesthetics while using Brinklink Studio and Bricklink Parts Designer to create a next gen NASCAR frame.
- Through this activity, the student gained an understanding of form, balance, and symmetry in their design.
- By focusing on accuracy and aesthetics, the student developed an eye for detail and precision in their creation.
- The process of designing the NASCAR frame allowed the student to explore creativity and expression through a combination of art and engineering.

Science

- The student applied principles of physics and engineering to ensure the strength and structural integrity of the NASCAR frame.
- By focusing on the accuracy of the car design, the student learned about aerodynamics and the impact of design on performance.
- Through this activity, the student gained practical knowledge about the parts and components of a racing car, linking their design work to real-world applications in science and technology.
- The student's focus on creating a frame that fits all three NASCAR Cup Series car body shells demonstrates an understanding of adaptability and engineering considerations in design.

Continued development related to this activity could involve exploring the history and evolution of NASCAR car designs, studying the scientific principles behind racing car aerodynamics, and creating 3D printed models of the designed NASCAR frame for further experimentation and improvement.

Related Educational Toys and Games

- [LEGO Speed Champions 1974 Porsche 911 Turbo 3.0](#) by LEGO: This LEGO set allows kids to build a classic Porsche car, providing hands-on experience in car design and construction.
- [K'NEX Thrill Rides 3-in-1 Classic Amusement Park Building Set](#) by K'NEX: This building set combines engineering and creativity to construct various amusement park rides, fostering design and structural concepts.
- [ThinkFun Gravity Maze Marble Run Brain Game](#) by ThinkFun: This game challenges players to build a marble run maze, offering hands-on experience with physics and problem-solving skills.

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