

## **Art**

- The child learned about design and creativity by designing a custom Lego car in Brick Link Studio.
- They explored color schemes and visual aesthetics while building the car.
- They practiced fine motor skills by assembling the Lego pieces accurately.
- They gained an understanding of spatial relationships and proportions when creating the car's design.

## **English Language Arts**

- The child developed written communication skills by producing a manual for their Lego car.
- They practiced descriptive writing to provide clear instructions on how to build the car.
- They honed their editing and proofreading skills while revising the manual for clarity and coherence.
- They may have researched and included background information about Lego cars, enhancing their research skills.

## **Math**

- The child applied geometry concepts when designing the Lego car, considering angles, shapes, and dimensions.
- They practiced counting and measuring while identifying and sourcing the Lego pieces needed for their design.
- They utilized estimation skills to determine the quantity of each Lego piece required.
- They may have used basic algebraic thinking to solve problems related to the Lego car's design.

## **Science**

- The child gained knowledge of physics principles by understanding how the Lego car moves and balances.
- They explored the concept of friction and how it affects the car's performance.
- They may have researched and learned about simple machines involved in the car's mechanisms.
- They developed problem-solving skills by troubleshooting any issues with the car's functionality.

## **Social Studies**

- The child may have studied the history of Lego and its impact on popular culture.
- They developed an appreciation for different cultures and societies through the global community of Lego enthusiasts.
- They practiced critical thinking by considering how their Lego car fits into the larger context of transportation and innovation.
- They learned about the importance of teamwork and collaboration when seeking assistance in sourcing Lego pieces.

For continued development, encourage the child to explore more complex Lego designs and experiment with incorporating different themes or storytelling elements into their creations. They can also challenge themselves by building more intricate mechanisms or exploring advanced techniques in Brick Link Studio. Additionally, they can participate in Lego building competitions or join a Lego club to connect with other enthusiasts and learn from their experiences.

My child designed a custom lego car in brick link studio, designed and produced a manual, identified and sourced the lego pieces he needed to build it and then built the car. / Subject Explorer / LearningCorner.co

## Book Recommendations

- [The LEGO Ideas Book: Unlock Your Imagination](#) by Daniel Lipkowitz: This book offers a collection of building ideas, tips, and inspiration for creating unique Lego designs.
- by Megan H. Rothrock: This book provides step-by-step instructions and ideas for building various Lego models, including cars.
- [Extreme Bricks: Spectacular, Record-Breaking, and Astounding LEGO Projects from around the World](#) by Sarah Herman: This book showcases incredible Lego creations from talented builders worldwide, inspiring the child to push their creativity even further.

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