

Your Name: Matthew Jeide

Project/Team: M.O.J.O.

Product Summary Sheet

Instructions

In your engineering notebook or on this form, document each product available on the commercial or retail market related to the major project problem you have identified.

Website for Product (URL):

https://www.amazon.com/Lucky-Doug-Building-Kit-Model/dp/B0BWPZCKXT/ref=sr_1_21_sspa?crid=3BCNLY4NI0QXT&dib=eyJ2ljojMSJ9.UtHo_lmdZugb9eXggaZjXZRomTDcXbudcbTBDkINzGeJs2JJFI4DVy8fPwJDKQwYFiOhgdoeZhsMHx8awVbzcZXmm713Q8huR8GDGq4LxTVDssvr8NRL_ddmgukr4bN4H4wZJefi_5bCGZXA1Bg8zWkwQratNsEyXtRIJsoFcVGi3VfDOKX03YkWcHnv9bdROngJyhPYPx4iCN33K5xqiM8K6EopnspdVvHWy3FRf89avJaE-sbEPOOSNls2YGhGHtSH51g9vThn4B4xc-R5byYtPRrrTDkpM8SrOyC7nBg.bWDSM0fFK1ZwnotAZWpsxpxfhIDUPIYlqIRXofzpcNw&dib_tag=se&keywords=stem%2Btoys%2Bfor%2Bages%2B8-13&qid=1759553318&sprefix=stem%2Btoys%2Bfor%2Bages%2Caps%2C265&sr=8-21-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9tdGY&th=1

Product Summary:

The Lucky Doug Building Kit Model Car Set is a STEM-oriented construction kit designed for children aged 8–12, promoting problem-solving, mechanical comprehension, and hands-on creativity. It includes 361 metal and plastic parts, along with assembly tools and an instruction manual for building a realistic model vehicle. The completed car features functional wheels and a sleek, mechanical design that mirrors real engineering principles. Measuring approximately 9 x 4 x 3 inches when completed, the model offers a satisfying balance between complexity and accessibility, making it ideal for both solo and parent-assisted builds. It has received a 4.4-star rating on Amazon and is often praised for its educational value, build quality, and focus on patience and precision rather than instant gratification. The Lucky Doug kit stands out as a bridge between toy and real-world mechanics, providing young learners with an engaging introduction to structural design and basic engineering.

Product Critique:

Pros

- Strong Educational Value: Reinforces STEM learning through mechanical assembly and real tool usage.
- Durable Materials: Combination of metal and plastic parts provides sturdiness and longevity.
- Clear Instructions: Easy-to-follow manual suitable for beginners and intermediate builders.

- **Engaging Parent-Child Activity:** Encourages teamwork and communication during assembly.
- **Good Price-to-Quality Ratio:** Offers premium construction and educational content at a mid-range price.

Cons

- **Small, Sharp Components:** Not suitable for very young children; requires adult supervision.
- **Limited Play Functionality:** Once built, the model serves more as a display piece than a toy.
- **Assembly Difficulty:** Some users report alignment issues and small screws that are hard to handle.
- **Single Model Build:** Unlike multi-build sets, this kit focuses on one fixed design, reducing replay value.
- **Tool Limitations:** Included wrenches and screwdrivers can feel undersized for extended use.

Images/sketch of Product:



