

# ENGINEERING DESIGN RUBRIC

## Apollo 11? Or, down in flames.

DESIGN INSTRUCTIONS	RESEARCH INFLUENCE	BUILD QUALITY	DESIGN ASTHETICS	EFFECTIVENESS	POINTS EARNED
IKEA hires you	Doctoral dissertation	Reentry survivable	Off the Apple shelf	New record	WOW! +5
Pictures, text clear enough for anyone to duplicate.  Components you didn't think of are clearly cited.	Design clearly informed by creative prototyping and research.	Will last a lifetime.	Could be marketable.	Always works, and works well.	NAILED IT  4 points
Useful pictures and text, with gaps in instructions.  Research somewhat linked to design.	Built prototype, did research, but impact on design is unclear.	Holding up, but some weaknesses apparent.	Somewhat professional.	It works, but messes up occasionally.	ALMOST THERE  3 points
A few instructions, maybe a picture.  Unclear what ideas are your own.	Seems like guesswork.	Failure imminent.	Minor design details, mostly covered in grey duct tape.	It worked once, but not well.	NEEDS WORK  2 points
What do I do here?  What research?	Just winging it.	Immediate, catastrophic failure.	No effort to make it look professional.	Back to the drawing board.	AT LEAST YOU SHOWED UP  1 point
No design report.	No research completed.	Did not build.	Did not build	Did not build.	0 points
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