

ELF BASKETBALL HOOP



ELF SUPPLIES

_____	☒
_____	☐
_____	☐
_____	☐
_____	☐
_____	☐

Oh no! The elves have broken their basketball hoop, can you design and build them a new one?

BASKETBALL HOOP DESIGN



My basketball
hoop stands up

YES ☐ NO ☐

A small ball fits
through the hoop

YES ☐ NO ☐

I would change...



Name of engineer _____

STEM CHALLENGE

Challenge



DESIGN A CATAPULT AND BASKETBALL HOOP FOR AN ELF.



Name of engineer _____

MAKE A MINI MODEL WITH RECYCLED MATERIALS



I will need



Quick sketch



Idea	Advantage	Disadvantage
		

Name of engineer _____

Final Design



Conclusions

Ideas for improvements

