

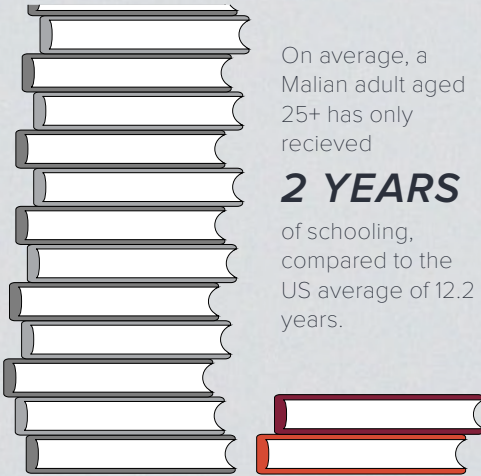
Education in Mali is in crisis.

How can education be brought to the Malian people?

61.3%
of the Malian population aged 15 and older can neither read nor write.

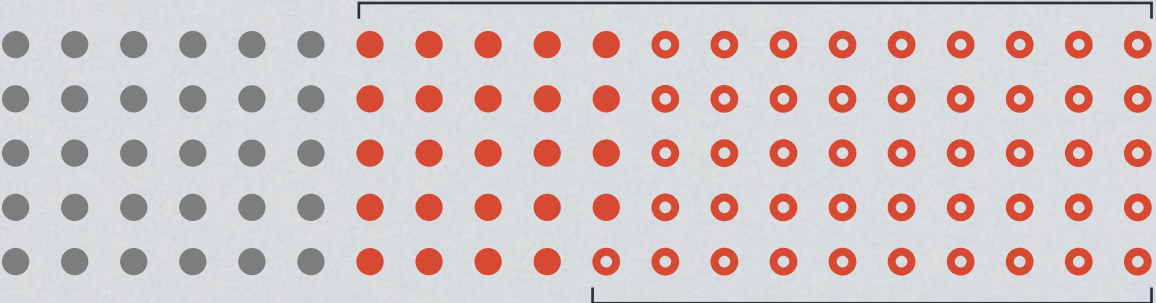


UNESCO (2015). Literacy Data Statistical Tables. Retrieved from <http://www.uis.unesco.org/literacy/>



UNESCO (2011). Literacy Data Statistical Tables. Retrieved from <http://www.uis.unesco.org/literacy/>

70% of Malians live in rural areas.



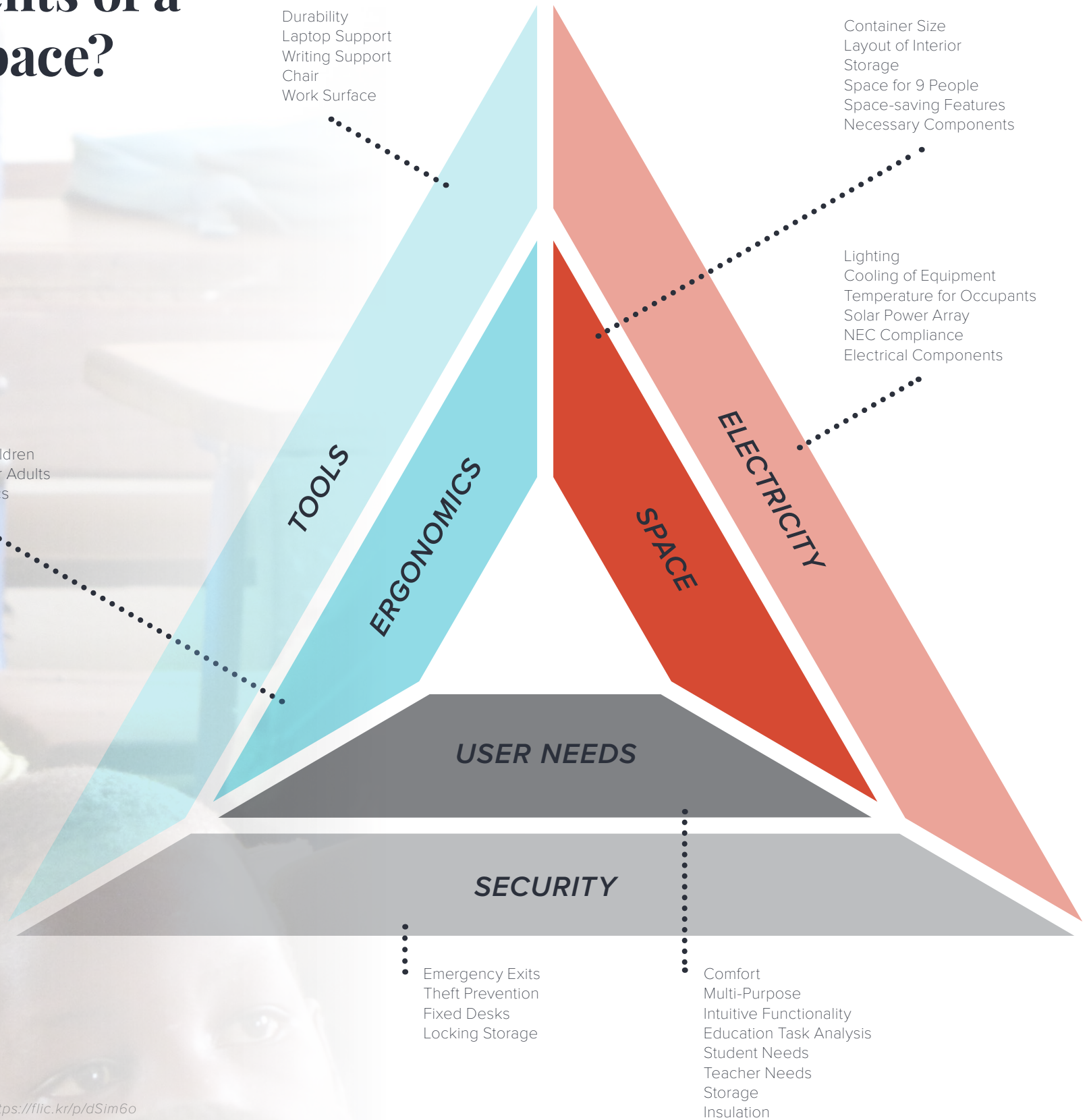
2/3 of rural children do not have access to a school.

Empower Mali. (2016) Facts About Education in Mali. Retrieved from <http://www.empowermali.org/>

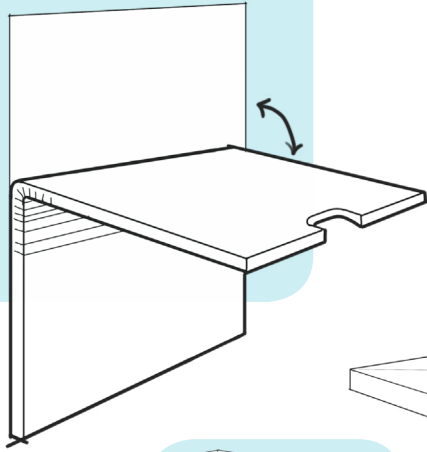


Arne Hoel of The World Bank. (2006). Young girl walks to school [Photograph]. Retrieved from <https://flic.kr/p/8Ld2m6>

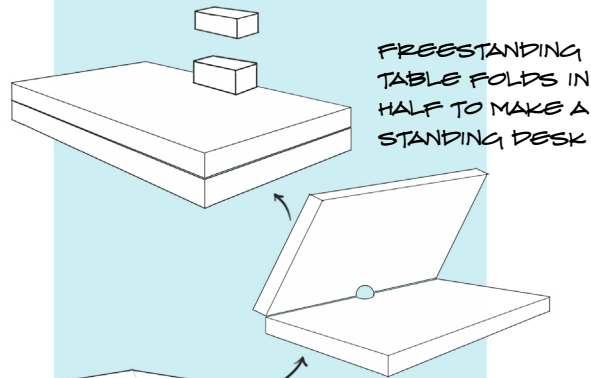
What are the components of a mobile education space?



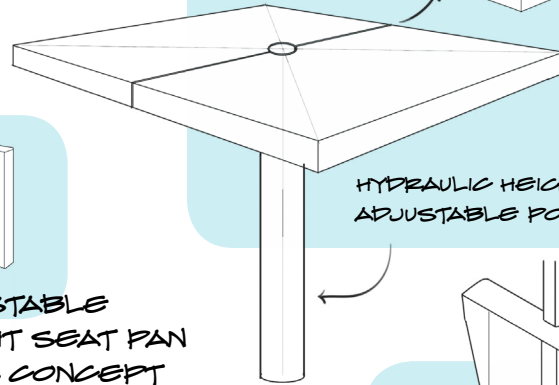
KERFED FOLD-UP
DESK CONCEPT



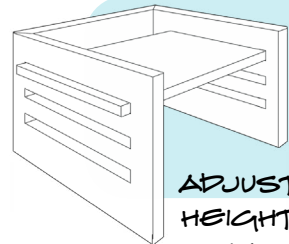
2-WAY FOLDING
DESK CONCEPT



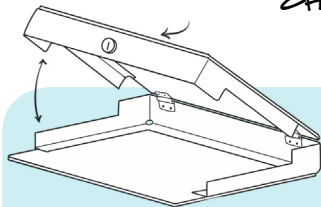
FREESTANDING
TABLE FOLDS IN
HALF TO MAKE A
STANDING DESK



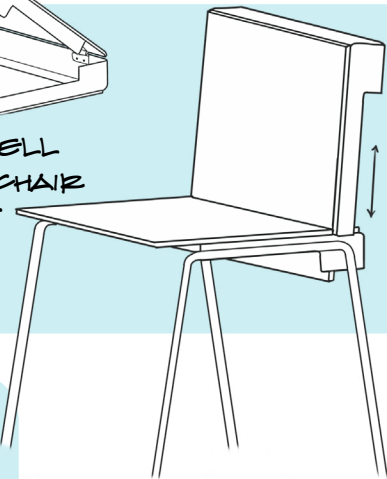
HYDRAULIC HEIGHT
ADJUSTABLE POST



ADJUSTABLE
HEIGHT SEAT PAN
CHAIR CONCEPT

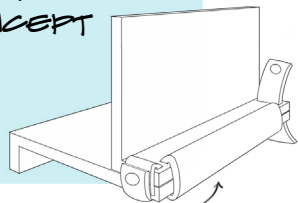


HALF-SHELL
DESK & CHAIR
CONCEPT

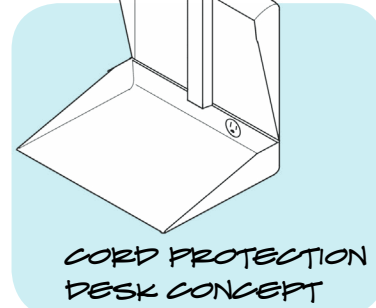


REMOVABLE
BACK REST
CHAIR
CONCEPT

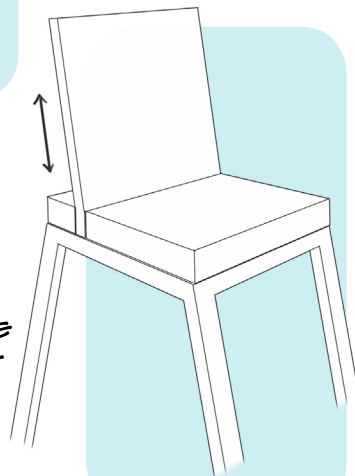
HINGED BACK
REST CHAIR
CONCEPT



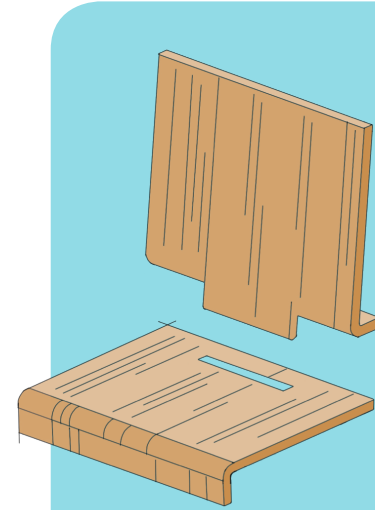
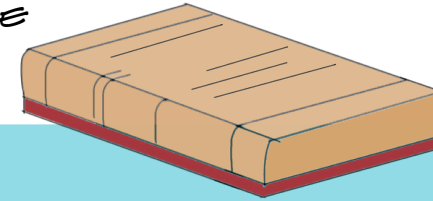
FABRIC HINGE & INDUSTRIAL
SNAP CLOSURE ATTACHMENTS



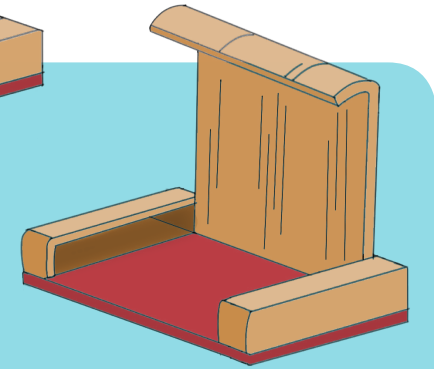
CORD PROTECTION
DESK CONCEPT



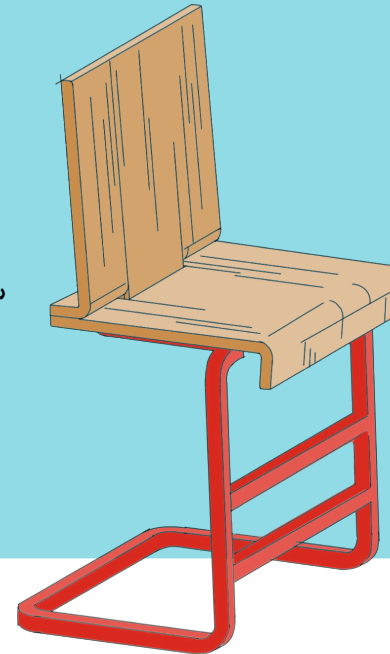
WRITING SURFACE
WHEN CLOSED



CHAIR WITHOUT BACK,
DEEP ENOUGH FOR
LARGE ADULT

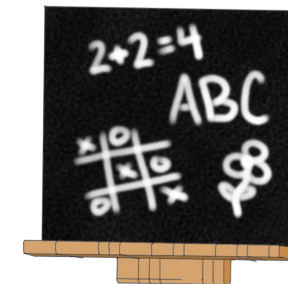
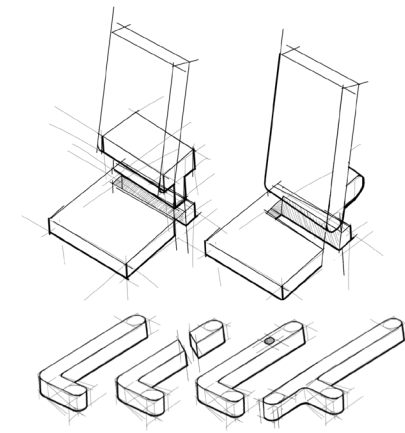


LAPTOP STORED
INSIDE DESK,
ALLOWS FOR
INSTALLATION OF A
LOCKING MECHANISM

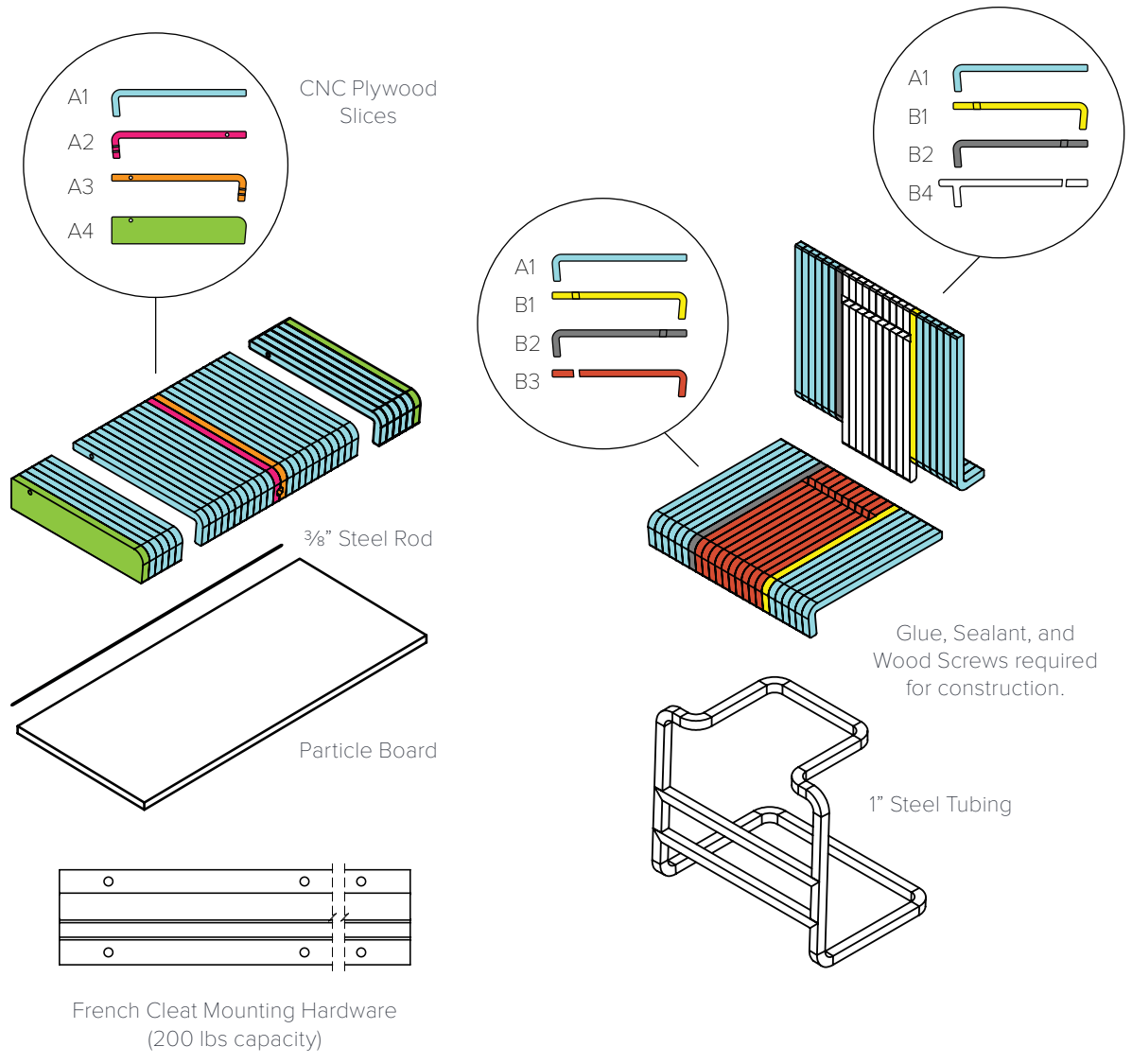


CHAIR WITH BACK,
DEEP ENOUGH FOR
SMALL CHILD,
SUPPORTIVE FOOT
RESTS AT TWO
HEIGHTS

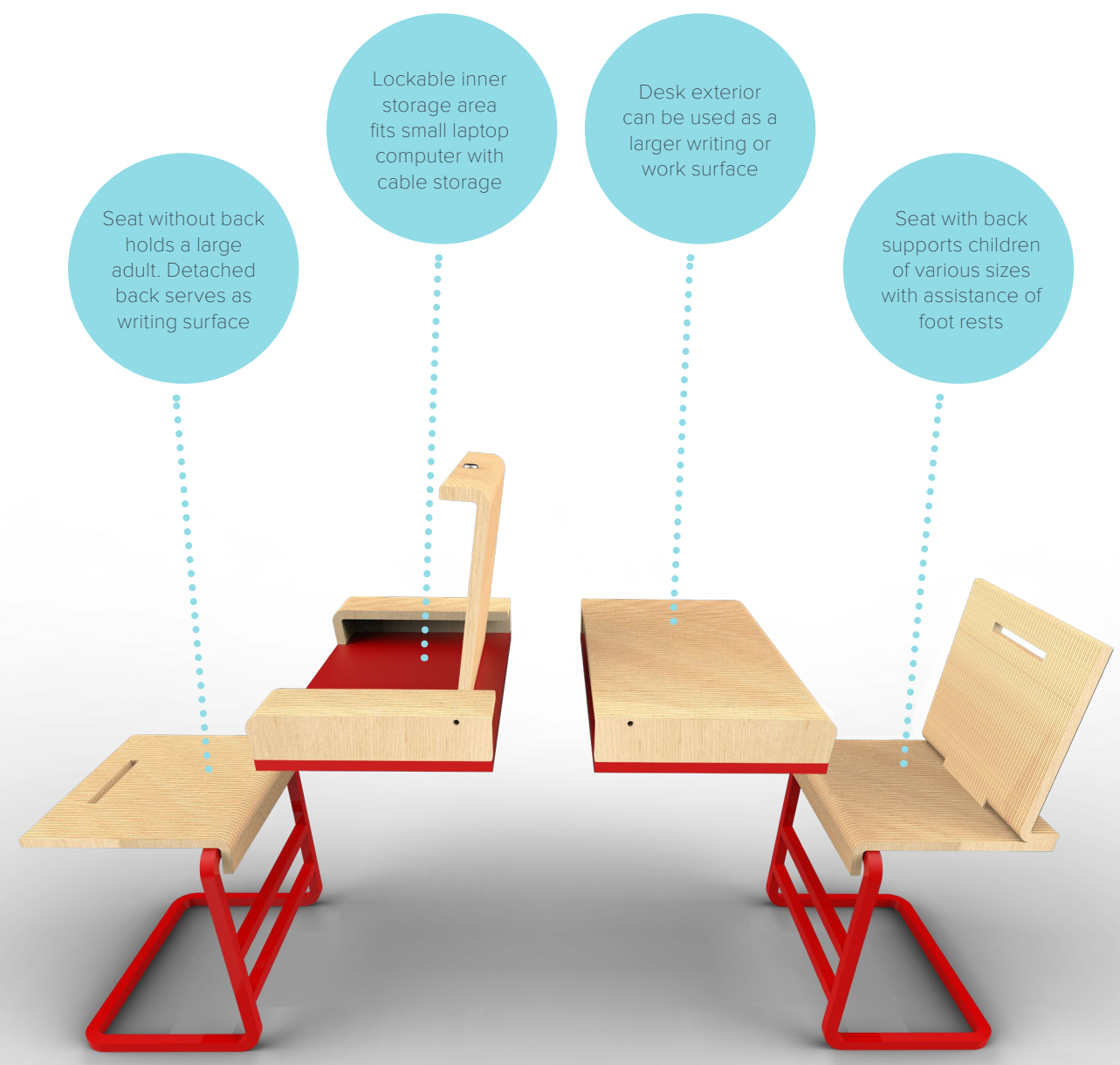
CNC MANUFACTURING,
GLUE-UP ASSEMBLY
OF PLYWOOD PIECES



REMOVABLE
BACK, DOUBLES
AS CHALKBOARD
TABLET

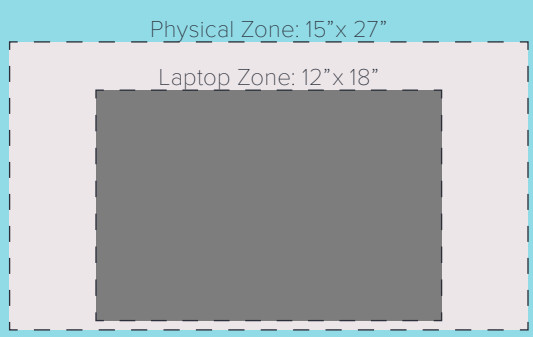


Images from Prototype Validation, Captured by Ashley Lincoln with permission from participants.



MATERIAL COSTS (RETAIL)

3/4" Plywood Sheet	\$25
Particle Board	\$5
1" Steel Tubing	\$20
Fasteners	\$3
Finishing Materials	\$15
Mounting Hardware	\$14
Total Cost	\$82



1-10 SCALE WORKSPACE SIZE



References

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