

Baby likes to build.



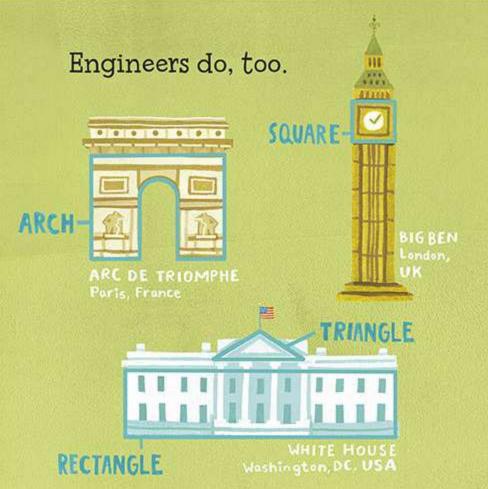
Engineers do, too.

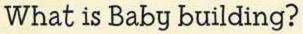


LINCOLN MEMORIAL
Washington, DC, USA

Baby builds with shapes.

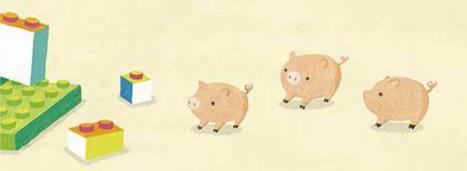








A house is a structure. It has a foundation, walls, and a roof.



The foundation is at the bottom. It must support the house and everything inside.



The walls go on the foundation.



FOUNDATION

They must support ...

... the roof!

The roof goes on top of the house.



Inside, everyone is safe and dry.



A structure must support itself. It must support the weight of everything inside and on top.





It must stand up through any kind of weather outside.

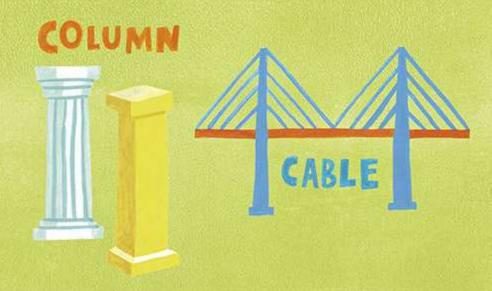


All of these things create forces on a structure.

These forces are called loads.







Engineers find ways to make structures strong enough to bear loads.

















Baby likes to build. Engineers do, too! Find out how they both use physics to build strong, stable structures.

BEEP BEEP!

For Sara, Sarah, Bev, Bev, Jude, Marlene, and Sharon, for their support and friendship—R. S.
For Ivan and Connor, my very own engineers—I. C.
Very special thanks to Dr. Fred Bortz and Joan Crowe for their invaluable expertise and advice.



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