Paper Locomotive
a print-and-build sculpture kit

©2006 HyperGami Crafts
About the Paper Locomotive

The locomotive is built mostly from prisms, shapes that have an identical top and bottom connected by rectangles. The wheels are short octagonal prisms; the main cylinder is a long octagonal prism, and the bottom base and cab are different kinds of rectangular prisms.

The steam funnel is a six-sided prism with a truncated pyramid attached to the bottom; the fan-shaped piece in the front is made from another pyramid, and the roof is a rectangular prism with a special peak on the top.

Building Tips:

* cut out the pieces, leaving the tabs attached
* make LIGHT creases along the solid lines & tabs
* use a strong sticky craft glue
* be patient! Let things dry before moving to the next step
Paper Locomotive building tips

Wheels:
Join the tabs in order, beginning from (1), then apply glue to each of the remaining tabs and drop the octagonal face onto them.

Spout:
Join the tabs in order, then apply glue to all of the tabs marked (8) and drop the remaining face onto them. The small tabs at the bottom will join to the large cylinder on the train.

Roof:
First join the four little tabs numbered (1), (2), (3), and (4); then join tab (5), forming the peak of the roof, and finally drop the two triangles onto the remaining tabs.

Locomotive Cab:
This is a cube-like shape -- join the tabs in order, and finish by dropping the last face onto all of the tabs marked (5).

Large Cylinder:
First join on the long tab (1), and then drop the top and bottom octagons onto the remaining tabs. NOTE: this line is for decoration only!

Red fan-piece in front:
Join the little tabs to the small top face, then join the trapezoid-shaped face to the tabs marked (2), and finish by joining the last face to the tabs marked (3).

Grey base piece:
Join the long edge to tab (1), then drop the small rectangles onto the remaining tabs.