

EDIBLE CONCRETE

Today in GEMS, we made concrete you can eat!

If you liked working with concrete, you could become a(n)

Chemist:

<http://www.sciencecareersweb.net/PSU2DE/WomenScience/WomenInChem.htm>

Engineer:

<http://www.swe.org/>

Geologist:

<http://www.sciencecareersweb.net/PSU2DE/WomenScience/WomenInGeo.htm>

Architect:

<http://www.bluffton.edu/~sullivanm/women/contents.html>

or Construction Manager

<http://www.nawic.org/>

For more fun and information on concrete:

National Building Museum:

http://www.nbm.org/Exhibits/liquid_stone.html

Concrete in space:

http://www.space.com/business/technology/space_concrete_010601.html

Concrete canoes:

<http://www.ce.berkeley.edu/~canoe/2001.htm>

<http://www.auburn.edu/academic/architecture/bsc/classes/bsc314/timeline/timeline.htm>

http://www.uah.edu/student_life/organizations/ASCE/Competition/competitionhistory.htm

<http://www.asce.org/inside/nccc2004/history.cfm>

<http://www.asce.org/inside/nccc2006/index.cfm>

<http://members.cox.net/concretecanoe/index.shtml>

<http://www.rit.edu/%7Eascewww/canoe/howto/index.html>

Very cool bridges:

http://bridgepros.com/projects/Millau_Viaduct/

<http://en.structurae.de/index.cfm>

Edible concrete recipe:

Graham crackers crumbs (aggregate)

Powdered sugar (Portland cement)

Corn syrup

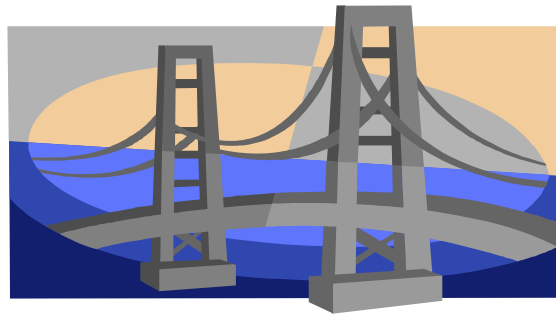
Concentrated

Orange juice

— water

1. Put about 4 tsp graham cracker crumbs into cup. Add one tsp powdered sugar. Mix with spoon.
2. Add 3/8 tsp of orange juice concentrate and 1/8 tsp corn syrup.
3. Mix together, making sure to mix all of the crumbs into the liquid.
4. Press concrete into bottom of mold (cup).
5. Turn cup over and tap the bottom. Your molded concrete cookie will pop out.

Remember, you can experiment with the amounts and flavors of the cookie ingredients, but your concrete has to stick together in the end or your building or bridge will fall down.



Recipe adapted from the National Building Museum

