

Super Sticky STUFF

*Stick it to the walls, and push the power of tape to the limits in this adhesive hour on things that cling!
Build a bond with glue and get attached to Professor Beakerdude!*

SUMMARY:

Children will get *stuck* on science in this one-hour class on sticky stuff! The class begins with a close-up examination of how Velcro hook-and-loop fasteners work. This is followed by a hands-on experiment with different types of tape adhesives. Wet glues are introduced in two inquiry-based experiments. Children learn how to perform a ranking test, and determine the optimal glue to use on various materials. A hands-on activity using scientific labware and everyday items introduce the concepts of *suction*, *hydrogen bonding*, and *static cling*. The children assemble their Take-Home Professor Beakerdude kit, a set of reusable adhesives and a beaker that they can use to perform experiments.

EDUCATIONAL VALUE:

Students will be given the opportunity to perform inquiry-based experiments to test the properties of adhesive objects. They will develop an understanding of the science of sticky elements and practice hands-on activities to explore the nature of *natural* and *synthetic* adhesive materials.

TAKE-HOME MESSAGE:

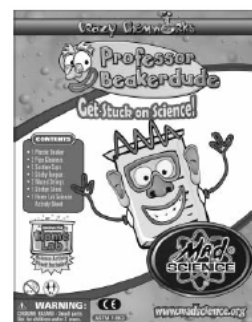
- 1 Different types of adhesives are used to stick different materials together.
- 2 The liquid part of the glue needs to dry before the adhesive part can stick objects together.
- 3 Adhesives won't bond to objects if the sticky part collects dirt from our fingers.

TAKE-HOME PRODUCT:

Professor Beakerdude

NORTH CAROLINA ESSENTIAL STANDARDS:

- K.P.2.2 Compare the observable physical properties of different kinds of materials (clay, wood, cloth, paper, etc) from which objects are made and how they are used.



What's Inside:



Professor Beakerdude