

MAKING STUFF

WITH
DAVID
POGUE

NOVA  PBS

Shape Shifters: Shape-Memory Alloys & Polymers



DEMONSTRATION

FUNDING FOR NOVA IS PROVIDED BY DAVID H. KOCH, THE HOWARD HUGHES MEDICAL INSTITUTE, THE CORPORATION FOR PUBLIC BROADCASTING, AND PUBLIC TELEVISION VIEWERS. MAJOR FUNDING FOR *MAKING STUFF* IS PROVIDED BY THE NATIONAL SCIENCE FOUNDATION. PRODUCERS GRATEFULLY ACKNOWLEDGE THE COOPERATION OF THE MATERIALS RESEARCH SOCIETY. ADDITIONAL FUNDING PROVIDED BY THE DEPARTMENT OF ENERGY. *MAKING STUFF* WAS PRODUCED BY POWDERHOUSE PRODUCTIONS FOR NOVA/WGBH.

DAVID H. KOCH

HHMI

 Corporation for
Public Broadcasting
A private corporation funded by the American people



 MATERIALS
RESEARCH
SOCIETY
Advancing materials. Improving the quality of life.





THIS *MAKING STUFF* MATERIAL IS BASED UPON WORK SUPPORTED BY THE NATIONAL SCIENCE FOUNDATION UNDER GRANT NO. 0610307. ANY OPINIONS, FINDINGS, AND CONCLUSIONS OR RECOMMENDATIONS EXPRESSED IN THIS MATERIAL ARE THOSE OF THE AUTHOR(S) AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE NATIONAL SCIENCE FOUNDATION. THIS MATERIAL IS BASED UPON WORK SUPPORTED BY THE DEPARTMENT OF ENERGY UNDER AWARD NUMBER DE-SC0004787. DISCLAIMER: THIS REPORT WAS PREPARED AS AN ACCOUNT OF WORK SPONSORED BY AN AGENCY OF THE UNITED STATES GOVERNMENT. NEITHER THE UNITED STATES GOVERNMENT NOR ANY AGENCY THEREOF, NOR ANY OF THEIR EMPLOYEES, MAKES ANY WARRANTY, EXPRESS OR IMPLIED, OR ASSUMES ANY LEGAL LIABILITY OR RESPONSIBILITY FOR THE ACCURACY, COMPLETENESS, OR USEFULNESS OF ANY INFORMATION, APPARATUS, PRODUCT, OR PROCESS DISCLOSED, OR REPRESENTS THAT ITS USE WOULD NOT INFRINGE PRIVATELY OWNED RIGHTS. REFERENCE HEREIN TO ANY SPECIFIC COMMERCIAL PRODUCT, OR SERVICE BY TRADE NAME, TRADEMARK, MANUFACTURER, OR OTHERWISE DOES NOT NECESSARILY CONSTITUTE OR IMPLY ITS ENDORSEMENT, RECOMMENDATIONS, OR FAVORING BY THE UNITED STATES GOVERNMENT OR ANY AGENCY THEREOF. THE VIEWS AND OPINIONS OF AUTHORS EXPRESSED HEREIN DO NOT NECESSARILY STATE OR REFLECT THOSE OF THE UNITED STATES GOVERNMENT OR ANY AGENCY THEREOF.

© 2011 WGBH EDUCATIONAL FOUNDATION. NOVA IS A TRADEMARK AND SERVICE MARK OF THE WGBH EDUCATIONAL FOUNDATION. ALL RIGHTS RESERVED. ALL THIRD PARTY TRADEMARKS ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS. USED WITH PERMISSION. PERMISSION IS GRANTED FOR REPRODUCTION OF THIS MATERIAL FOR EDUCATIONAL USE ONLY. ALL OTHER RIGHTS RESERVED.