

## Books

*May Chinn: The Best Medicine*, Butts, Ellen R., and Joyce Schwartz. (Illus. by Janet Hamlin; from the Science Superstars Series.) NY: Scientific American Books for Young Readers, 1995. 48pp. \$14.95; &4.95 (paper). 94-35395. ISBN 0-7167-6589-6; 0-7167-6590-X (paper). Glossary; Index; C.I.P.

In May Chinn, both the scientist and her science is clearly portrayed. The importance of the science is made clear. The difficulty of balancing scientific research, community service, and a personal life is well depicted. Here we have a role model who is an appreciated part of a vital community.

Reviewed 1996 by Science Books and Films, AAAS

*Running Out of Time*, Peterson-Haddix, Margaret, (Aladdin, 1997)

When a diphtheria epidemic hits her village in 1840, 13-year-old Jessie discovers it is actually a 1995 tourist site under unseen observation by heartless scientists, and it's up to Jessie to escape and save the lives of the dying children.

*When Plague Strikes*, Cross Giblin, James, Harper Collins, 1995

Giblin tells the stories of three of the most damaging diseases in history the Black Death, smallpox, and AIDS.

*Invisible Enemies: Stories of Infectious Diseases*, Farrell, Jeanette, Farrar Straus Giroux 1998 0374336377 Non-fiction

A fascinating account of the behaviors, treatments, and control of seven deadly diseases: smallpox, leprosy, plague, tuberculosis, malaria, cholera, and AIDS, and the scientists who studied and tamed them.

## Web Sites

The Black Plague: The University of Chicago Center for Biological Sciences chronicles the plague from a biological, medical point of view. Music included with the site.  
<http://pestilence.uchicago.edu/>

Ebola updates: recent articles on Ebola virus and links to Ebola WWW sites  
<http://www.bocklabs.wisc.edu/outbreak.html>

The Black Plague: An early European account of the Black Plague. Pictures revisit the plague.  
<http://134.74.216.129/history/Q/qplague/index.html>

Connections+ provides lesson plans on the black plague  
<http://www.mcrel.org/resources/plus/multi/plague.asp>

**National Science Content Standards**

Content Area	Standards
Life Science	A1, A2, A6, E2
Science in Personal & Social Perspectives	C2, D2, D4, E2, E3, E4, E5, E7
History and Nature of Science	A1, A2, B1, B3, C1, C3

**Materials**

Activity	Material	Amount
The Contagious Town Meeting	0.1 grams phenolphthalein	Per group
	100 ml of 95% ethyl alcohol	Per group
	1 gram sodium carbonate	Per group
	Distilled water	Per group
	Disposable cups	1 per student
	Eyedroppers	1 per student
Go Team Go	1 sheet of poster paper	Per team
	Art supplies	Per team
Tetanus Anyone	Reference materials	Per group
What's In It for You	Notebook or pad	Per group
	Compound microscope	Per group
	Microscope slides	Per group
	Cover Slips	2-3 Per group
	Lens Paper	Per group
	Reference materials	Per group
	Paper towels	Per group
	0.75 grams methylene blue	Per class
	50 ml. Of 95% alcohol	Per class
	1 pint lake, stream, pond, or aquarium water	Per class
	1 pint tap water	Per class
1 pint tap water with a pinch of dust added	Per class	
3 jars with labels	Per class	
At least 4 eyedroppers	Per class	
2 different yogurt brands with active culture	Per class	

## Outbreak!

To return to the lesson, select Exit from the File pull-down menu.

	2 small containers with labels	Per class
	100 or more toothpicks	Per class
An Ounce of Cure	Petri dish with nutrient agar	Per team
	Spray bottle labeled "Pathogens"	Per team
	Glass-marking pencil or crayon	Per team
	Metric ruler	Per team
	Cellophane tape	Per team
	Notebook paper	Per team
	At least 2 sheets of blank paper	Per team
	At least 1 sheet of grid paper	Per team
	2 extra petri dishes	Per class
	Active, dry yeast	Per class
	Distilled water, warm	Per class
	Eyedropper (optional)	Per class
	Microscope and slides (optional) or hand lenses	Per class
	1 teaspoon sugar	Per class
	Medicines such as antibiotics, antiseptics, mouthwashes, detergents, and antibacterial soaps	Per class
	Fungicide medicine	Per class
	Hole punch	Per class
	Coffee filter paper	Per class
	Small containers with labels	Per class
	Tweezers, 1 for each type of medicine	Per class
Born Fighters	6 dropper bottles or bottles with pipettes	Per class (x)
	0.5 teaspoon ferrous sulphate	Per class (x)
	1 gallon distilled water	Per class (x)
	Gallon container	Per class (x)
	Yellow and red food coloring	Per class (x)
	Saturated sodium carbonate solution	Per class (x)
	Hand-magnifying lenses	1 per group
	(x) denotes the material is part of an available kit	

To return to the lesson, select Exit from the File pull-down menu.