

# Free Educational Resources!

Use CHF's free online materials to bring the history of the chemical and molecular sciences into your classroom.



## Science Alive!

<http://www.chemheritage.org/scialive/julian/index.html>

*The Life and Science of Percy Julian*

Students learn about perseverance in science and society through the life story of Percy Julian, an African American chemist who synthesized cortisone and a treatment for glaucoma. Includes classroom activities.

*Middle school*



## Chemical Achievers

<http://www.chemheritage.org/classroom/chemach/index.html>

*The Human Face of the Chemical Sciences*

Teach your students about the individuals behind the major advances in the history of the chemical sciences. Rich with images and biographical details.

*High school, college*



## Her Lab in Your Life: Women in Chemistry

[http://www.chemheritage.org/women\\_chemistry/index.html](http://www.chemheritage.org/women_chemistry/index.html)

This companion Web site to the traveling exhibit showcases women who have helped create our modern world, and their historic contributions to science and technology.

*Middle school, high school, college*



## Pharmaceutical Achievers

*The Human Face of Pharmaceutical Research*

<http://www.chemheritage.org/EducationalServices/pharm/pa/home.htm>

Three modules explore the history and science of over-the-counter pain relievers (Aspirin Adventures); cancer detection, treatment, and prevention (Magic Bullets); and antibiotics and the treatment and prevention of infectious disease (Antibiotics in Action). Includes classroom activities.

*High school, middle school*

## CHF Chemistry WebQuests

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<http://www.chemheritage.org/EducationalServices/webquest/home.htm>

These activities in the popular WebQuest format allow students to investigate current and historic issues in chemical science.

*High school*

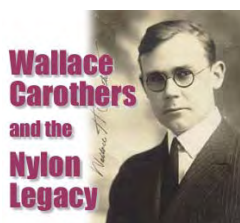


### Explore Chemical History

<http://www.chemheritage.org/explore/explore.html>

This area of our Web site offers timelines of achievement and biographical sketches that provide a broad overview of the history and heritage of the chemical and molecular sciences.

*All levels*



### Spinning the Elements

<http://www.chemheritage.org/EducationalServices/nylon/nylon.html>

*Wallace Carothers and the Nylon Legacy*

This site tells the story of nylon and its inventor, Wallace Carothers. Students also learn about the scientific and engineering aspects of nylon. Includes an extensive photo gallery.

*High school, college*



### Polymers and People

<http://www.chemheritage.org/EducationalServices/Polymers+People/PREFACE.html>

*An Informal History*

Based on the traveling exhibit of the same name, this site gives the stories and faces behind some of the most important discoveries in the science of plastics, rubber, and other polymers.

*High school, college*

## Faces in the Molecular Sciences

### Faces in the Molecular Sciences

<http://www.chemheritage.org/EducationalServices/FACES/facehome.htm>

Two modules explore the work of pioneering scientists in the field of polymers (Faces in Polymers) and environmental chemistry (Faces in the Environment). Includes classroom activities.

*High school, middle school*

For more information on CHF programs and materials, please contact Mark Michalovic at [markm@chemheritage.org](mailto:markm@chemheritage.org), or visit [www.chemheritage.org](http://www.chemheritage.org).