



# ***The Center for Gifted Education Curriculum Materials***

## ***Designed for high-ability learners, their teachers, and parents***

The Center for Gifted Education, under the direction of Joyce VanTassel-Baska, has been in operation in the School of Education at The College of William and Mary since 1987. From the time of the Center's inception, one of its major emphases has been the development of exemplary curriculum frameworks and units of study for classroom use with high-ability learners. The Integrated Curriculum Model (VanTassel-Baska, 1986, 1995, 2002) is designed to respond to gifted learners' characteristics of precocity, intensity, and complexity through its three dimensions of advanced content, higher level processes and product development, and interdisciplinary concepts, issues, and themes. Curriculum development in science, language arts, math, and social studies has involved teams of content specialists and educators in writing and field-testing units. Many Center materials have been recognized for their quality by the United States Department of Education and the National Association for Gifted Children. Teachers and students in all 50 states and 19 international communities use Center materials.

### **Language Arts**

#### **Change Through Choices (Grades 10-12) \$25.00**

Choices and the consequences of choices have an important impact on life and the success of individuals. This unit focuses on catalytic choices that determine change in a variety of situations.

#### **Libraries Link Learning: resource Manual for use with At-Risk Gifted Children (Grades K-2) \$25.00**

The purpose of the Libraries Link Learning project was to provide teachers and librarians with tools for identifying at-risk gifted learners and strategies for developing sound programs to serve them. This manual describes an eight session literature-based curriculum, for young at-risk gifted learners, that connects literature, writing and bookmaking.

#### **Navigators \$12.00 each**

The Navigators are novel study guides developed as a resource for teachers and students. These guides encourage advanced readers to develop their skills through structured questions and activities that highlight themes and concepts, literary elements, and real world connections contained within the books. Students are also able to develop their own vocabulary and writing skills by exploring and emulating the language and style used by different authors. In each Navigator, several research activities are included. Please visit [www.cfge.wm.edu](http://www.cfge.wm.edu) to access Navigators that are available free of charge and view the most updated list of Navigators in addition to those listed on the order form.

#### **Notes from A Writer \$12.00 each**

This document contains recommended activities and key resources that are useful for parents of gifted elementary students. It provides ideas to stress in encouraging children to write at home or in other informal contexts.

Jacobs' Ladder Reading Comprehension Program is now available from Prufrock Press (see below for contact information).

Additional language arts units available from Kendall/Hunt Publishing (see below for contact information).

## Math

### **Spatial Reasoning (Grades 6-8) \$23.00**

This unit approaches spatial reasoning through one-dimensional, two-dimensional, and three-dimensional tasks. It also asks students to explore the transition between dimensions and representations of three-dimensional objects in two-dimensions.

Additional math units available from Prufrock Press. (see below for contact information).

## Science

### **The Curriculum Assessment Guide to Science Materials \$12.00**

This document provides an evaluation system for science curriculum. By delineating a set of curriculum standards, schools are provided with a template for reviewing any new science materials that are teacher-made or commercially developed according to general curriculum design features, exemplary science features, and tailoring for high-ability learners.

### **A Guide to Key Science Concepts \$19.00**

In this document, the author discusses seven science concepts deemed to be the most critical for study by high-ability learners at K-8 levels. Individual papers delineate the significance of inquiry, the relationship of the concepts to other fields of study, and the application of the concepts to teaching and learning at K-8 levels.

### **K-3 Inquiry Based Science Units \$30.00 each**

Eight Science units for primary grades have been designed to introduce young students to science concepts, science processes, and overarching concepts. A hands-on, constructivist approach allows children to build their knowledge base and skills as they explore science topics through active exploration and planned investigations. Students are engaged in creative and critical thinking, problem finding and solving, process skill development, and communication opportunities. Each unit is also designed to strengthen essential concepts including quantity, direction/position, or change. These units were developed through Project Clarion, a curriculum intervention focusing on students in Title 1 schools, funded by the Jacob K. Javits Program, U.S. Department of Education.

- **Survive and Thrive:** K-1<sup>st</sup> grade unit, engages students in a study of animals, their characteristics, and their natural environments. Students learn how to distinguish features and life needs of animals, and observe animals in their habitats via webcams.
- **How the Sun Makes Our Day:** K-1<sup>st</sup> grade unit, engages students in investigations and observations that support their learning about the Sun as a source of light and energy, the nature of shadows, and the need for humans to conserve natural resources. Students explore natural and man-made sources and develop a conservation plan for their home, school or community.
- **Budding Botanist at Work:** 2<sup>nd</sup> grade life science unit that engages students in a scenario-based approach to investigating plant life. While assuming the role of botanists to understand the structure, nature, and life cycle of plants, the team members seek to answer questions such as “How can plants be used to fuel cars?” 2008 recipient of an NAGC Curriculum Studies division award for outstanding curriculum.
- **The Weather Reporter:** 2<sup>nd</sup> grade Earth Science unit that provides students with opportunities to observe, measure, and analyze weather phenomena. It includes a scenario based approach to allow students to make decisions about observing, predicting, and forecasting the weather.
- **Dig It!:** 3<sup>rd</sup> grade Earth/Science unit to encourage students to investigate humanity’s effects on the environment, the importance of natural resources, and sound conservation practices. Using a scenario-based approach, it builds upon prior knowledge by providing opportunities to relate local examples of environmental pollution and conservation with hands-on scientific experiments and demonstrations.
- **Invitation to Invent:** a 3<sup>rd</sup> grade unit that engages students in investigations and observations that support their learning about simple machines and their uses. Students explore force, motion, and friction as they learn about the six simple machines and how they are put together to form compound machines.



## **Notes from a Scientist: Resources and Activities for Gifted Children \$12.00**

This document contains recommended activities and key resources that are useful for parents of gifted elementary students. It provides ideas to stress in teaching children science at home or in other informal contexts.

Additional science units available from Kendall/Hunt Publishing and Prufrock Press. (see below for contact information).

## **Miscellaneous**

### **A Guide to Teaching Research Skills and Strategies for Grades K-12 \$25.00**

This guide supports the research strands in the William and Mary language arts, science, and social studies units and provides a way for students to learn information strategies while researching a significant issue.

### **Parent Handbook: A Guide to Your Gifted Child's Emotional and Academic Success \$26.00**

This handbook provides information and insights to help parents of gifted children guide their child from elementary school to college and beyond. One portion of the book includes academic activities parents can do with their children to extend learning into the home and community. A resource list also includes books for gifted children, books about gifted children, and Internet sites for both parents and children.

### **The Practitioner's Guide to Exemplary School Change \$19.00**

The findings of a research study on school change conducted in Virginia and at selected national sites provide the basis for this publication. This guide has been developed for practitioner use and provides a blueprint for implementing school and curriculum reform.

### **Teaching Models Cards \$5.00 each, set of 11 for \$35.00**

These laminated cards provide teachers with an overview of the William and Mary teaching models graphics along with explanations, examples, and key questions for quick, easy access.

Teaching Models Card (overview)	Concept Mapping	Fray Vocabulary
Literature Web	Persuasive Writing (Hamburger)	Primary Source Analysis
Reasoning (Paul)	Research	Taba Concept Development
Vocabulary Web	Wheel of Scientific Reasoning	

Additional language arts, science, and social studies materials created by The Center for Gifted Education are available from Kendall/Hunt Publishing Company. Please contact them directly for further details: Phone: 800-247-3458, ext. 1061 or 1078, Fax: 800-772-9165, [www.kendallhunt.com](http://www.kendallhunt.com). Kendall/Hunt Publishing Company, 4045 Westmark Drive, P.O. Box 1840, Dubuque, Iowa 52004-1840

Additional science and math materials created by the Center for Gifted Education are now available from Prufrock Press. Please contact them directly for further details. Phone: 800-998-2208, e-mail: [info@prufrock.com](mailto:info@prufrock.com), [www.prufrock.com](http://www.prufrock.com).

Visit our web site, [www.cfge.wm.edu](http://www.cfge.wm.edu), for a complete listing of our materials and additional resources.

*Prices are subject to change without notice.*



## Materials Order Form (Part 1 of 2)

**Name:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Ship to** (*We do not ship to post office boxes.*):

---

---

**Bill to (if different from above):**

---

---

**Method of Payment:** \_\_\_ Check (payable to The College of William and Mary)

\_\_\_ Purchase Order # \_\_\_\_\_ (attach copy)

\_\_\_ Charge my credit card (Master Card or Visa only) Credit Card #:

Exp Date: \_\_\_\_\_

Signature: \_\_\_\_\_

*\*Shipping and handling fee: Orders up to \$35, add \$5.00. Orders over \$35.00 add 15% of order total. Addresses outside of the continental United States, add 25% of order. We do not ship to post office boxes.*

**Mail order to:** Center for Gifted Education; P.O. Box 8795; Williamsburg, VA 23187-8795 or fax to: 757-221-2184.

Materials Order Form Part 2 of 2

Language Arts			
Title	Qty	Price	Total
Change through Choices		\$25	
Libraries Link Learning		\$25	
Notes from A Writer		\$12	
1984		\$12	
Abracadabra Kid		\$12	
Breath		\$12	
Bridge to Terabithia		\$12	
Bud Not Buddy		\$12	
The Call of the Wild		\$12	
Charlotte's Web		\$12	
The Dark is Rising		\$12	
Day of Pleasure		\$12	
Day They Came/Arrest Book		\$12	
The Egypt Game		\$12	
Everything on a Waffle		\$12	
From the Mixed Up Files ...		\$12	
The Garden of Abdul Gasazi		\$12	
A Girl from Yamhill		\$12	
The Giver		\$12	
The Great Gilly Hopkins		\$12	
Hamlet		\$12	
Harry Potter & Sorcerer's Stone		\$12	
Henry IV, Part 1		\$12	
The Invisible Thread		\$12	
Jacob Have I loved		\$12	
Jumanji		\$12	
Little by Little		\$12	
Little Women		\$12	
Macbeth		\$12	
Midsummer Night's Dream		\$12	
The Midwife's Apprentice		\$12	
Much Ado About Nothing		\$12	
My Brother Sam Is Dead		\$12	
Number the Stars		\$12	
The Pearl		\$12	
Romeo & Juliet		\$12	
Sarah Bishop		\$12	
Sarah, Plain and Tall		\$12	
Shiloh		\$12	
A Single Shard		\$12	
Stone Fox		\$12	
Snow Treasure		\$12	
Sunder		\$12	
Summer of My German Soldier		\$12	
Talk About a Family		\$12	
Tuck Everlasting		\$12	
Twelfth Night		\$12	
Walk Two Moons		\$12	

Science			
Title	Qty	Price	Total
Curriculum Assessment Science		\$12	
Guide to Key Science Concepts		\$19	
Notes From a Scientist		\$12	
Budding Botanists at Work )		\$30	
Dig It!		\$30	
How the Sun Makes our Day		\$30	
Invitation to Invent		\$30	
Survive and Thrive		\$30	
The Weather Reporter		\$30	

Miscellaneous			
Title	Qty	Price	Total
Teaching Research Skills		\$25	
Parent Handbook		\$26	
Guide Exemplary School Change		\$19	
Spatial Math Grades 6-8		\$23	

Teaching Model Cards			
Title	Qty	Price	Total
Teaching Models (overview)		\$5	
Concept Mapping		\$5	
Frayer Vocabulary		\$5	
Literature Web		\$5	
Persuasive Writing		\$5	
Primary Source Analysis		\$5	
Reasoning (Paul)		\$5	
Research		\$5	
Taba Concept Development		\$5	
Vocabulary Web		\$5	
Wheel of Scientific Reasoning		\$5	
Complete Set of Cards (11)		\$35	

Language Arts continued			
Where the Wild Things Are		\$12	
The Whipping Boy		\$12	
A Wrinkle in Time		\$12	
A Year Down Yonder		\$12	
Yolanda's Genius		\$12	

Order Total			
		Merchandise Total	
		Shipping & Handling	
		<b>TOTAL</b>	

Prices are subject to change without notice.