

Other Voices: Gerard Manley Hopkins and Science Instruction

SCL 2015 Summer Conference

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1. Out task: development of "good human beings", full of wisdom and virtue
2. Modes of knowing
 - a. Direct encounter
 - b. Mediated encounter through technical literature
 - c. Mediated encounter through poetic and artistic expression
3. Encountering creation through the mediation of artists
 - a. The Poets
 - i. Gerard Manley Hopkins: As Kingfishers Catch Fire, God's Grandeur, Pied Beauty, The Starlight Night, I Am Like A Slip of Comet
 - ii. Richard Wilbur: Worlds
 - iii. Richard Ryan: Galaxy
 - iv. William Blake: The Tyger, Auguries of Innocence
 - b. The Composers
 - i. Vivaldi, The Four Seasons
 - ii. Grofe, Grand Canyon Suite
 - iii. Holst, The Planets
 - iv. Whitacre, Water Night, Cloudburst, Lux aurumque, Leonardo Dreams of His Flying Machine
 - c. The Painters
 - i. Johannes Vermeer: The Astronomer
 - ii. Jan Matejko: Astronomer Copernicus—Conversation with God
 - iii. Vincent van Gogh: Starry Night
 - iv. Joseph Wright: An Experiment on a Bird in an Air Pump, The Alchemist Discovers Phosphorous
 - v. J.M.W. Turner: Rain, Steam and Speed
 - d. The Writers
 - i. Sam Kean: The Disappearing Spoon
 - ii. Le Couteur & Burreson: Napoleon's Buttons
 - iii. Gary Zukav: The Dancing Wu Li Masters
 - iv. Annie Dillard: Holy the Firm, Pilgrim at Tinker Creek, Teaching a Stone to Talk, For the Time Being
 - v. Vigen Guroian: Inheriting Paradise
 - vi. Wendell Berry: Sex, Economy, Freedom, and Community; Life Is a Miracle
 - vii. John Graves: Goodbye to a River
 - viii. Aldo Leopold: A Sand County Almanac
 - ix. Konrad Lorenz: King Solomon's Ring
 - x. John Gribbin: In Search of Schrodinger's Cat
 - xi. Michael Frayn: Copenhagen
 - xii. John Muir: The Mountains of California, My First Summer in the Sierra

- e. Other Writers—For Young Readers
 - i. Kathryn Lasky: The Librarian Who Measured the Earth (on Eratosthenes)
 - ii. Charles Ludwig: Michael Faraday, Father of Electronics
 - iii. James Daugherty, Of Courage Undaunted
 - iv. John Tiner: Samuel F.B. Morse
- f. Even More Writers (Note that each of these is highly recommended and on my shelf to read, but I have not yet gotten to them)
 - i. Edward Abbey: Desert Solitaire
 - ii. Edwin Teale: The Strange Lives of Familiar Insects
 - iii. Rutherford Platt: The Great American Forest
 - iv. Stephanie Mills: In the Service of the Wild
 - v. David Haskell: The Forest Unseen: A Year's Watch in Nature
 - vi. Hugh Aldersey-Williams: Periodic Tales: A Cultural History of the Elements
 - vii. James Daugherty: Poor Richard (On B. Franklin) (young readers)
- g. The Hymnists
 - i. Joseph Seiss (trans), Fairest Lord Jesus
 - ii. St. Francis, (trans. William Draper), All Creatures of our God and King
 - iii. Maltbie Babcock, This is My Father's World
- 4. Enhancing the Paideia
 - a. Teachers: Look for enrichment opportunities
 - b. Teachers: Artwork for your classroom
 - c. Administrators: Encourage "vertical blanketing"
 - d. Administrators: Artwork for your school corridors
 - e. Librarians: Put the writers' works in your school library
 - f. Note that "enhancing the paideia" this way will probably make classes at the classical Christian school incompatible with AP course syllabi

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