Section I. Critical Reading

Section II. Fever 1793, Laurie Halse Anderson

A. Fever 1793 and the Theme of “In Sickness and in Health”
B. Overview of Laurie Halse Anderson’s Life and Work
C. Historical and Cultural Contexts for the Novel
D. Scientific Context for the Novel
E. Chapter Summaries and Analyses

Section III. Shorter Selections

A. The Shorter Selections and the Theme of “In Sickness and in Health The Civil Rights Movement”
B. Short Stories
C. Poetry

Section I. Cells and the Development of Cancer.................................................................41%
   A. Introduction to Cells
   B. The Development of Cancer

Section II. Causes of Cancer ..........................................................................................28%
   A. Genetics
   B. Age
   C. Obesity
   D. Diseases
   E. Environmental Exposure

Section III. Prevention, Detection, and Treatment of Cancer...........................................31%
   A. Early Detection and Prevention
   B. Diagnosis
   C. Types of Cancer
   D. Cancer Treatments
2019-20 Academic Pentathlon Social Science Resource Guide Outline

Section I: Healthcare in the Ancient World.................................................................26%

A. Defining the Relationship Between Health, the Theory and Practice of Medicine, and Disease
B. Understanding the Role of the Healer Across Time and Place
C. A Note on the Terms “Science,” “Reason,” “Magic,” and “Superstition”
D. Patterns of Life and Death in the Past
E. The Early Textual Traditions of Medicine
F. Hippocratic Medicine as Greek Natural Philosophy

Section II: Healthcare from the First Century to the Scientific Revolution...............26%

A. Reason, Secularism, and Interpreting the Greeks as the Founders of the Western Tradition
B. Greek Medicine in the Roman Empire
C. Slave Medicine, the Roman Army, and the Origins of the Western Hospital
D. The Greco-Roman Tradition after the Fall of the Roman Empire
E. Medieval Healthcare Institutions
F. The Greco-Roman Magico-Religious Tradition and Christian Belief
G. Medieval Medicine: From Prosperity to the Black Death
H. The Black Death and Epidemic Plague

Section III: Medical Theory and Practice During the Scientific Revolution................11%

A. The Renaissance, Humanism, and the Origins of the Scientific Revolution
B. The Printing Press and the Idea of the “Singular Genius” in the History of Science
C. Vesalius, Harvey, and the Anatomical Renaissance
D. Medical Reformers during the Scientific Revolution

Section IV: The Age of Exploration to the Late Nineteenth Century..........................23%

A. The Columbian Exchange and Life and Death in the Americas
B. The Impact of Smallpox on Native Americans and European Settlers
C. The Plague and Public Health in Europe
D. Smallpox and the Boston Inoculation Debate, 1721–22
E. The “Discovery” of Vaccination and Historical Views of Early Vaccinators
F. Elite Medicine in the Medical Marketplace
G. The Rise of Scientific Medicine in Europe: The Birth of the Clinic to the Laboratory Revolution
H. Medical Heterodoxies from Mesmerism to Thomsonianism
I. The U.S. Civil War and the Transformation of American Medicine

Section V: The Rise of Modern Laboratory Medicine

A. Late Nineteenth- and Twentieth-Century Medicine in Historical Context
B. Germ Theory and the “New” Public Health
C. The Reform of Medical Education and the Professionalization of American Medicine
D. The Hospital and the Rise of Technology in Medicine
E. Therapeutic Optimism and the Golden Age of Medicine
F. Health Insurance and Healthcare-Related Legislation in the U.S.
Section I. Introduction to Music and Art

   A. The Physics of Musical Sound
   B. Pitch, Rhythm, and Harmony
   C. Form in Music
   D. Which is the Real Music? Scores, Recordings, and Performance
   E. Introduction to Art History
   F. Methods and Inquiries of Art
   G. Elements of Art
   H. Processes and Techniques

Section II. Church, Home, Stage: Death Knows No Boundaries

   A. Listening Example
   B. New Genres, New Media
   C. Death, Be Kind
   D. Listening Example
   E. The Baroque: Music Reaches the Stage
   F. Listening Example
   G. The Classic Period: Patrons and the Public
   H. Listening Example

Section III. The Plague, and the Rise of Modern Medicine

   A. Representing the Bubonic Plague in Early Modern Europe
   B. Selected Works
   C. The Rise of Modern Medicine

Section IV. Music of the Romantic Era: Death as Drama
Section V. Turn of the Century Art

A. The Ideal and the Real Female Body as a Subject in Nineteenth- and Twentieth-Century Art
B. Selected Works

Section VI. Music as Mockery, Music as Memorial

A. A Funeral March
B. Listening Example
C. Art, Present and Past
D. Listening Example
E. Musical Monuments
F. Listening Example
G. New Sounds, Old Terrors
H. Listening Example
I. Music for Greif
J. Listening Example

Section VII. Art and Mental Health

A. The Othering of Mental Illness in Art
B. Selected Works
C. Representing the Experience of Mental Illness in Art
D. Selected Works

Section I. Algebra

A. Expressions
B. Equations
C. Linear Equations
D. Inequalities
E. Polynomials and Factoring
F. Quadratic Functions and Equations

Section II. Introduction to Trigonometry

A. Angles
B. Triangles
C. Right Triangles
D. Right Triangle Trigonometry