

2018-19 Academic Pentathlon Fine Arts Resource Guide Outline

Section I. Introduction to Music.....	13%
A. Definitions	
B. The Physics of Musical Sound	
C. Pitch, Rhythm, and Harmony	
D. Other Aspects of Musical Sound	
E. Form in Music	
F. Which is the Real Music? Scores, Recordings, and Performance	
Section II. Introduction to Art History.....	12%
A. Methods and Inquiries of Art History	
B. Elements of Art	
C. Processes and Techniques	
Section III. One Brief Shining Moment: The Early 1960s.....	12%
A. Camelot and Kennedy	
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C. The Times They Are A-Changin’—1961–63	
D. Listening Example	
Section IV. Setting the Stage for the Art of the 1960s.....	16%
A. Introducing the Sixties	
B. Rewind: An Overview of Art in Europe and America after World War II	
C. Selected Works	
D. Melding Art and Life	
E. Selected Works	
Section V. “A Change is Gonna Come”: The Heart of the 1960s.....	16%
A. The British Invasion	
B. Innovations in Classical Music	
C. Listening Examples	
D. The Dawning of the Age of Aquarius	
E. Listening Examples	

Section VI. Art and Politics.....19%

- A. The Political Context of the 1960s in Europe and the U.S.
- B. Selected Artworks
- C. Minimalism and Conceptualism
- D. Selected Artworks

Section VII. "I Read the News Today, Oh Boy": The End of the 1960s.....10%

- A. Listening Examples
- B. Postlude—Early 1970s

Section VIII. Art Postminimalism.....2%

- A. Selected Artworks

2018-19 Academic Pentathlon Literature Resource Guide Outline

Section I. Critical Reading.....	14%
Section II. <i>The Revolution of Evelyn Serrano</i> , Sonia Manzano.....	32%
A. Introduction	
B. Character List	
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D. Chapter Summaries and Analysis	
E. Authors Note	
Section III. Selected Shorter Works of Literature.....	54%
A. Introduction	
B. The Civil Rights Movement	
C. Foundations: Three Poems on Belonging in America	
D. Selected Works	
E. Nonfiction: The Civil Rights Movement and Responses	
F. Short Story	
G. Selected Work	

2018-19 Academic Pentathlon Mathematics Resource Guide Outline

Section I. Probability.....27%

- A. Probability
- B. Permutations
- C. Combinations

Section II. Statistics.....24%

- A. Measures of Central Tendency
- B. Organizing and Displaying Data
- C. Sequences

Section III. Algebra.....49%

- A. Basic Terms in Set Theory
- B. Groups of Numbers
- C. Exponents and Roots
- D. Variables and Algebraic Expressions
- E. Equations
- F. Ratios and Proportions
- G. Monomials and Polynomials
- H. Factoring
- I. Solving Quadratic Equations
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2018-19 Academic Pentathlon Science Resource Guide Outline

Section I. Light.....	22%
A. Introduction	
B. Properties of Light	
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Section II. Lasers.....	45%
A. Introduction	
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Section III. Applications of Lasers.....	33%
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2018-19 Academic Pentathlon Social Science Resource Guide Outline

Section I: The Sixties: From Their New Deal Origins to the New Frontier32%

- A. The Depression Years and Post-War America
- B. Limits of New Deal Reforms
- C. The U.S. as a Global Power and the Origins of the “Cold War”
- D. Post-War America: Peace and Prosperity During the Fifties
- E. Cold War on the Home-Front, 1947-1953
- F. The Eisenhower Years, 1953-1960
- G. Americans at Home: Cultural Currents in the Post-War Era
- H. A New Frontier: The Kennedy Presidency, 1960-1963
- I. Civil Rights: Reform through the Ballot Box and Non-Violent Activism, 1961-1963
- J. Resisting Civil Rights in the South
- K. Still a Dream: The Washington DC March for Jobs and Freedom
- L. Kennedy and the Cold War
- M. The Death of a President and the End of the Kennedy Era
- N. Warren Commission

Section II: The Johnson Presidency22%

- A. President Johnson
- B. Legislating the Kennedy Legacy
- C. The Great Society
- D. The Warren Court: The “Liberal” Turn
- E. From Civil Rights to Black Power
- F. The Limits of Nonviolent Resistance
- G. Black Power

Section III: The Protest Generation29%

- A. The New Left: Student Activism in the Sixties
- B. Sexual Revolution and the Women’s Movement
- C. The United States and the World, 1964–68
- D. Vexing Vietnam: The Quagmire Deepens
- E. The United States, Europe, and the Developing World
- F. The Antiwar Movement

- G. Social and Cultural Dissent Continues: The Rise of a Counter-Culture Movement
- H. Modern Environmentalism
- I. Civil Rights for Forgotten Americans
- J. Second Wave Feminism
- K. The Stonewall Riots and the Birth of Gay Pride

Section IV: The Age of Aquarius.....17%

- A. The Nixon Presidency
- B. Nixon's Strategy to End the War in Vietnam