



United States  
Academic Pentathlon

## Pentathlon What You'll Learn

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With five different subject areas in Academic Pentathlon, and a new curricular theme each year, you will constantly be learning something different. Pentathlon uses the same theme as Academic Decathlon® which can create an entire curriculum. The more years you participate in Pentathlon, the more themes you will master. These themes are developed by our curriculum team with special attention to national content standards. Your participation in Pentathlon will allow you to become more knowledgeable and a stronger all-around student.

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The 2018-19 United States Academic Pentathlon® theme is “**The 1960s: A Transformational Decade**”. Below is a brief summary of the topics covered.

**SCIENCE:** The science curriculum will focus on an introduction to laser technology and its applications.

**LITERATURE:** The literature curriculum will include critical reading, one long work of literature, and selected shorter works. The long work of literature will be the novel *The Revolution of Evelyn Serrano* by Sonia Manzano

**FINE ARTS:** The fine arts curriculum is a combination of art and music. The guide will focus on the art and music of The 1960s.

**SOCIAL SCIENCE:** The social science curriculum will provide an introduction to the history of The 1960s.

**MATHEMATICS:** The mathematics curriculum will cover an overview of permutations and combinations, algebra and statistics.

\*All test questions will be derived from the USAP curriculum

**For additional information about the Orange County Academic Pentathlon, contact Kristin Rigby at [krigby@ocde.us](mailto:krigby@ocde.us) or call 714-966-4435.**

## 2018-19 Academic Pentathlon Science Resource Guide Outline

Section I. Light.....22%

- A. Introduction
- B. Properties of Light
- C. Visible Light and Color

Section II. Lasers.....45%

- A. Introduction
- B. Light Emission and Absorption
- C. Lasers
- D. History of the Laser

Section III. Applications of Lasers.....33%

- A. Introduction
- B. Scientific Applications
- C. Medical Applications
- D. Industrial Applications
- E. Other Applications

## 2018-19 Academic Pentathlon Literature Resource Guide Outline

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|--|-----|
| Section I. Critical Reading.....   | 14% |
| Section II. <i>The Revolution of Evelyn Serrano</i> , Sonia Manzano..... | 32% |
| A. Introduction  |     |
| B. Character List  |     |
| C. Literary Elements   |     |
| 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 Fine Arts Resource Guide Outline

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| 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   |     |
| B. Listening Examples  |     |
| 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 Social Science Resource Guide Outline

Section I: The Sixties: From Their New Deal Origins to the New Frontier .....32%

- 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 Presidency .....22%

- 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 Generation .....29%

- 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

## 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
- J. Inequalities