

2025 Academic Super Bowl

Junior – English

Final Study Guide

Ireland in the Twentieth Century



I. Novel--40%

[The Magician's Nephew by C.S. Lewis](#)

II. Poetry--30%

A. [Easter, 1916 by William Butler Yeats](#)

B. [Inniskeen Road, July Evening by Patrick Kavanaugh](#)

C. [It's a Woman's World by Eavan Boland](#)

D. [The Little Waves of Breffny by Eva Gore-Booth](#)

E. [Sunday Bloody Sunday by U2](#)

F. [Zombie by the Cranberries](#)

G. [The Foggy Dew by The Chieftains, featuring Sinéad O'Connor](#)

III. Short Stories--30%

A. [The Order of Things by Claire-Louise Bennett](#)

B. [Araby by James Joyce](#)

C. [Naming the Names by Anne Devlin](#)

D. [The Sniper by Liam O'Flaherty](#)

E. [The Trout by Sean O'Faolain](#)

Study Outlines are developed from ideas submitted by coaches and question writers.

Please email ideas for the 2026 contest, *The American Revolution* to Jill Slinker at jslinker@iasp.org

2025 Academic Super Bowl

Junior – Math

Final Study Guide

IRELAND IN THE TWENTIETH CENTURY



- I. Circles - 30%
 - A. Equation
 - B. Circumference (including arc length)
 - C. Area (including sector)

- II. Complex Numbers - 30%
 - A. Simplification of imaginary numbers
 - * Operations on powers of i and radicals with negative radicand
 - B. Operations on complex numbers
 - * Addition, subtraction, multiplication, and division
 - C. Evaluating discriminant of quadratic equation
 - D. Solving quadratic equation with complex number solutions
 - E. Writing quadratic equation given complex number solutions
 - F. Definition of pure and nonpure imaginary number

- III. Vectors - 25%
 - A. Component Form and Linear Combination
 - B. Magnitude
 - C. Dot product
 - D. Direction angle-Degrees only
 - E. Angle between two vectors-Degrees only
 - F. Orthogonal vectors
 - G. Diagram of sum and difference of vectors

IV. Transformations-15%

- A. Graph and equation
- B. Use of matrix
- C. Translation
- D. Reflection
- E. Rotation
 - 1. 90 degrees about the origin
 - 2. 180 degrees about the origin
- F. Dilation

Sources: Algebra I, Geometry, and Algebra II textbooks.

Study Outlines are developed from ideas submitted by coaches and question writers.

Please email ideas for the 2026 contest, *The American Revolution* to Jill Slinker at jslinker@iasp.org

2025 Academic Super Bowl

Junior – Science

Final Study Guide

Ireland in the Twentieth Century



- I. Plant Basics @12%
 - A. Fundamental botanical terms
 - B. Plant anatomy and physiology
 - C. Plant identification techniques
 - D. Plant propagation

- II. Noted Irish Plants @20%
 - A. Potatoes
 - 1. History and social implications
 - 2. Growing potatoes
 - 3. Potato blight
 - 4. Plant characteristics
 - B. Clover
 - 1. Types and classification (emphasis red and white clover).
 - 2. Growth characteristics and regions
 - 3. Irish and American shamrocks, benefits and uses
 - C. Heather
 - 1. Native types
 - 2. Identification
 - 3. Growth characteristics
 - D. Native trees
 - 1. Characteristics
 - 2. Identification

- III. Plant Growth Zones in Ireland (and surrounding areas) @ 20%
 - A. Hardiness zones
 - B. Heat zones
 - C. Climate zones
 - D. Factors affecting growth zone ratings

- IV. Plant Habitats and Plant Communities in Ireland @ 8%
 - A. Shingle Beaches
 - B. Woodlands
 - C. Coastal Meadows
 - D. Peatlands
 - E. Burren

V. Irish Scientists Who Changed the World @ 40% (All questions from one source)

- A. Francis Beaufort
- B. John Stewart Bell
- C. JD Bernal
- D. Robert Boyle
- E. Denis Parsons Burkitt
- F. Susan Jocelyn Bell Burnell
- G. George Francis Fitzgerald
- H. John Joly
- I. William Thompson (Lord Kelvin)
- J. John Tyndal

Study Outlines are developed from ideas submitted by coaches and question writers.

Sources:

Plant basics:

[Botany Language Basics for Identification of Flowering Plants](#)
[Plant Anatomy and Structure](#)

Irish Plants:

The Potato

https://en.wikipedia.org/wiki/History_of_the_potato

Lots of facts and history related to the Potato

<https://en.wikipedia.org/wiki/Potato#:~:text=Potatoes%20are%20tubers%20of%20the,Potato>

[POTATO | How Does it Grow?](#)

[Potato Farming & Processing - Start to Finish](#)

[What really caused the Irish Potato Famine - Stephanie Honchell Smith](#)

[A Timeline Of The Potato Famine That Changed Ireland Forever](#)

Clover

[The History of the Shamrock in Ireland \(and How to Grow Your Own American Version\) - Discover + Share](#)
[5 in Five: Coastal Meadows](#)

Heather

[Wildflower Heather Irish Wild Flora Wildflowers of Ireland](#)

[5 in Five: Peatlands](#)

[AskAboutIreland.ie](#)

Native Trees

[5 in FIVE: Native Trees](#)

[Native Trees](#)

[Spirit of the Trees](#)

[Ask About Ireland](#)

Growth Zones

[Hardiness, Heat, Climate Zones - Optimize Planting](#)

[Hardiness Zones in Europe](#)

[Hardiness Zones Explained | PRO-MIX Gardening](#)

[https://en.wikipedia.org/wiki/Hardiness_\(plants\)](https://en.wikipedia.org/wiki/Hardiness_(plants))

[Ireland - Summary | Climate Change Knowledge Portal](#)

<https://www.gardenia.net/plant-finder?filter=hardiness-zones%255B%255D%3D9>

Ireland's plant habitats and plant communities

[5 in Five: Shingle Beaches](#)

[Shingle Beach – COASTAL](#)

[5 in Five: Coastal Meadows](#)

[5 in Five: Peatlands](#)

[5 in FIVE: Native Trees](#)

[5 in Five: Woodland Ferns](#)

[The Burren](#)

[The Flora of Ireland](#)

Irish Scientists

[Famous Irish Scientists: Irish Scientists Who Changed the World. Colm O'Brien. Madra Rua Publishing \(January 10, 2021\), 55 pages.](#)

Questions may come from the introduction.

Please email ideas for the 2026 contest, *The American Revolution* to Jill Slinker at jslinker@iasp.org

2025 Academic Super Bowl

Junior – Social Studies

Final Study Guide

Ireland in the Twentieth Century



- I. The Irish War for Independence (15%)
 - A. The 1916 Rising
 - B. Michael Collins
 - C. Arthur Griffith
 - D. America's influence
 - E. The Boundary Commission
- II. The Irish Civil War (25%)
- III. Irish Political Parties: Their Workings and Ideals (20%)
 - A. Sinn Fein
 - B. Cumann na nGaedheal
 - C. Fianna Fail
 - D. Labour
 - E. The Farmer's Party
 - F. The Dail
 - G. The Blue Shirts
 - H. W.T. Cosgrave
- IV. Eamon de Valera and the 1937 Irish Constitution (25%)
 - A. Election of 1932
 - B. IRA
- V. The Economics of Ireland (5%)
- VI. Women in Ireland (5%)
- VII. Ireland and Religion (5%)

Study Outlines are developed from ideas submitted by coaches and question writers.

Sources:

Coogan, Tim Pat. *Ireland in the 20th Century*. St. Martin's Griffin, 2006. Preface, Chapters 2 and 3. ISBN-10 : 140396842X, ISBN-13 : 978-1403968425. Available in hard copy and ebook.

While NO questions will come from the PBS documentary *The Irish Civil War*, it is strongly recommended that coaches and students watch it before tackling the assigned text, *Ireland in the 20th Century*. It is also highly recommended that coaches and students refer to the glossary of people/places/things/words that will appear in practice materials and contest questions.

Irish Civil War, PBS, Part 1: https://www.youtube.com/watch?v=M9cDztMgR_U

Irish Civil War, PBS, Part 2: <https://www.youtube.com/watch?v=d8f-qWAhvUA&t=2286s>

Irish Civil War, PBS, Part 3: <https://www.youtube.com/watch?v=ZR87h1BbOE4&t=2167s>

Again, to be clear, ALL questions will come from the text, *Ireland in the 20th Century* by Tim Pat Coogan, but it is a difficult text and to create a foundation, the PBS documentary will help. The chapters covered in this contest include only the Preface, and chapters 2-3. This covers the Easter Uprising of 1916 through the first constitution in 1937.

Please email ideas for the 2026 contest, *The American Revolution* to Jill Slinker at jslinker@iasp.org