STEAMS Women Novelists Project-Based Lesson Plan (7-12)

Objective: The primary goal of this lesson plan is to provide students with an interdisciplinary exploration of women novelists, focusing on their contributions to literature, the challenges they faced, and their impact on society. By integrating Science, Technology, Engineering, Arts, Mathematics, and Social Studies (STEAMS), students will delve into the lives and works of various women novelists, fostering an appreciation for their literary achievements and understanding their historical and cultural significance.

Key Components

Science (S):	Topics: ❖ Investigate the psychology behind storytelling and character development, understanding how women novelists have used literature to explore complex themes such as identity, society, and the human condition. ❖ Explore neurological responses to reading fiction and the therapeutic benefits of storytelling.
Technology (T):	Topics: ❖ Utilize digital tools to research the biography and bibliography of selected women novelists. ❖ Examine the role of technology in the evolution of publishing, including digital platforms that have democratized access to literature and provided women writers with new opportunities to share their work.
Engineering (E):	Topics: ❖ Engage in a project to design a bookshelf or reading nook that incorporates ergonomic principles,

	catering specifically to the readers' comfort and accessibility needs. ❖ Analyze the engineering and design challenges involved in printing and binding books, with a focus on sustainable practices.
Arts (A):	Topics: ❖ Deep dive into the literary styles and techniques employed by women novelists, analyzing how they have contributed to the art of storytelling. ❖ Create original short stories, poems, or narrative artworks inspired by the themes, characters, and settings found in the works of women novelists.
Math (M):	Topics: ❖ Apply statistical analysis to study trends in publishing related to gender, such as representation of women novelists in literary awards and bestseller lists over time. ❖ Explore the mathematics of book design, including layout, typography, and cover art dimensions.
Social Studies (SS):	Topics: ❖ Delve into the historical context in which women novelists wrote, exploring the social, cultural, and economic barriers they faced. ❖ Discuss the impact of women novelists on societal attitudes toward women's rights, gender roles, and feminism.

Project Phases and Timeline:

Day 1: Science	❖ Introduction to the psychology of storytelling and its impact on readers.
Day 2: Technology	❖ Research on the lives and works of women novelists and the evolution of publishing technology.
Day 3: Engineering	❖ Design challenge focusing on ergonomic reading spaces and sustainable book production.
Day 4: Arts	❖ Literary analysis and creative writing or artistic projects inspired by women novelists.
Day 5: Math	❖ Statistical analysis of publishing trends and book design mathematics.
Day 6: Social Studies	❖ Examination of the historical and societal impact of women novelists.

Assessment Criteria

Students will be assessed based on their participation in discussions, creativity and thoughtfulness in their engineering and art projects, accuracy and insight in their mathematical analysis, and their ability to articulate the significance of women novelists in literature and society. This holistic STEAMS approach encourages students to appreciate the

multifaceted contributions of women novelists and their enduring legacy in the literary world.