

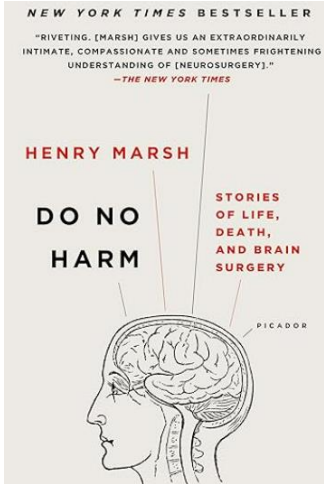


2025–2026 ACADEMIC YEAR
GRADE 11 BIOLOGY PROJECT

NAME OF THE PROJECT: A STUDENT’S JOURNEY INTO THE BRAIN AND NEUROSURGERY

STUDENT’S NAME AND SURNAME:

CLASS :

| Grade | Content | Acquisition | Duration | Assessment |
|-------|--|---|-----------------|---|
| 11 |  <p>The student reads the book <i>"Do No Harm: Stories of Life, Death, and Brain Surgery"</i> by Henry Marsh and prepares a detailed project based on the themes, cases, and medical insights presented in the book.</p> | <ol style="list-style-type: none">1. Identifies main brain regions and their functions.2. Understands key principles and challenges of brain surgery.3. Learns about neurological diseases and brain health issues.4. Assesses risks and effects of surgical procedures.5. Gains awareness of ethics and human factors in medicine.6. Understands medical decisions through real cases.7. Develops critical thinking by combining science and humanity.8. Improves skills in reading, summarizing, and project work. | 1 Academic year | The criteria in the rubric will be used for both the report and the presentation. |



Dear students,

Through this project, you will read Henry Marsh's *Do No Harm* to gain knowledge about the basic structures of the brain, the challenges of brain surgery, and the human aspects encountered in medical practice.

Project Steps

A. Research

- Read the book "*Do No Harm*" by Henry Marsh carefully.
- Take notes on key points about brain anatomy, surgical cases, and ethical challenges.
- Gather additional information on brain functions and neurosurgery basics from reliable sources.

B. Research Report

- Write a clear and organized report including:
 - Introduction (purpose and overview)
 - Summary of the book. It should include the following:
 - Explanation of brain anatomy and functions
 - Detailed case study from the book
 - Discussion on the challenges faced by neurosurgeons
 - Conclusion and personal reflections

Important Note:

Your report will be checked via a program. Make sure you do not copy and paste information directly from sources. This position will directly affect your mark. So, summarize the ideas in your own words to show your understanding. If you include a direct quote, make sure to cite the source properly.

Projects taken directly from AI will not be accepted.

Research Report Content (For Book Analysis)

- Cover Page: Project title, student's name, class, submission date, and teacher's name.
- Table of Contents: List of report sections and page numbers.
- Introduction: General information about the book (author, topic, genre) and the purpose of the report.
- Book Summary: A brief overview of the main topic, key themes, and important parts of the book.
- Analysis of Main Topics:
 - Important concepts covered in the book (e.g., brain structure, surgical procedures)
 - Explanation of selected cases or examples from the book
 - Discussion of challenges encountered and ethical issues emphasized in the book
- Visuals: Pictures, diagrams, or charts supporting the book's content.
- Glossary: Definitions of important terms used in the book.
- Conclusion: Overall evaluation of the book and your reflections.
- References: List of the book and any other sources used in the report. (If it is necessary)
- Footnotes and Quotations: Properly indicate any direct quotes or additional notes from the book.



Book Analysis Project Report Guidelines

- Your report should be at least **12 pages** and no more than **18 pages** long.
- Visuals used in your report (book covers, important excerpts, author photos, charts, etc.) should not exceed 5 pages in total.
- Each section or topic must have a clear and meaningful title.
- Be sure to include your comments and analyses related to the book's content.
- Expert opinions are not mandatory, but you may include them to add depth to your project if you wish.
- Both digital (Word or PDF) and printed copies of the report must be submitted.
- Use Times New Roman, font size 12, and double-spacing throughout the text.
- The report should be organized, clean, and easy to follow.
- Handwritten text is not accepted; all work must be prepared using a computer.
- Properly cite any direct quotes from the book using footnotes or quotation marks.
- On the last page of the report, include a paragraph of about **150-200 words** containing your overall evaluation and personal reflections about the book and the project. In this paragraph, we expect you to briefly and sincerely share your general opinion about the book, what you learned from the project, the importance of the book, and your personal thoughts.

FIRST CHECK: (Planning Phase)

- ✓ Carefully read "*Do No Harm: Stories of Life, Death and Brain Surgery*" by Henry Marsh.
- ✓ Identify brain surgery cases, diseases, and neurological disorders, and how they relate to human body systems.
- ✓ Take notes on the ethical dilemmas, emotional challenges, and patient-surgeon relationships described by the author.
- ✓ You must read at least the first 200 pages, write a summary, and answer the questions below.

SECOND CHECK: (Production Phase)

Prepare your book analysis report:

- ✓ You must finish reading the entire book
- ✓ Provide a brief biography of the author, Henry Marsh.
- ✓ Summarize the main theme and general content of the book.
- ✓ Give examples of surgical interventions related to the brain and nervous system.
- ✓ Explain the diseases mentioned in the book (e.g., tumors, hydrocephalus, aneurysms) and their effects on the nervous system.
- ✓ Reflect on the ethical dilemmas and emotional burdens the surgeon experiences while making decisions.
- ✓ Connect examples from the book with topics you've learned in biology class (e.g., brain regions, neurons, reflex arcs, etc.).
- ✓ Add visuals such as diagrams of brain structures, surgical tools, or case illustrations.



Prepare a Presentation:

- ✓ Include impactful quotes from the book.
- ✓ Add visuals such as diagrams of brain structures, surgical tools, or case illustrations.
- ✓ Create informative boxes like “Which Part of the Brain?”, or “Which Disease, What Effect?”
- ✓ Design a layout that combines both the scientific and human side of the story.

PROJECT SUBMISSION

Submit your written book analysis report. Your work should reflect both a scientific and human perspective, as well as your personal understanding. Be ready to present your project briefly and answer questions.

REPORT ASSESSMENT RUBRIC (Total 50 Points)

| Evaluation Criteria | Description | Points |
|---|---|---------------|
| Introduction of the Book | Provides information about the author (Henry Marsh) and summarizes the book's topic. | 5 |
| Case and Disease Analysis | Surgical examples and diseases are explained accurately, clearly, and in detail. | 15 |
| Connection to Biology | The contents of the book are related to topics covered in biology class. | 10 |
| Ethical and Emotional Reflection | The ethical dilemmas and emotional situations experienced by the surgeon are analyzed. | 10 |
| Writing Style and Organization | Correct grammar, clear and fluent expression, and well-organized structure. | 5 |
| Use of Visual Material | The poster/brochure/magazine is used effectively during the presentation and supports the spoken content. | 5 |
| TOTAL | | /50 |

PRESENTATION ASSESSMENT RUBRIC (Total: 50 Points)

| Evaluation Criteria | Description | Points |
|--|---|---------------|
| Content & Clarity of Presentation | The topic is clearly explained in the student's own words. Key messages from the book are presented accurately and effectively. | 15 |
| Subject Mastery | The student demonstrates a strong understanding of the book's content, medical cases, and related biology topics. Explanation goes beyond memorization. | 10 |
| Q&A Performance | The student answers questions thoughtfully, accurately, and with sufficient explanation. | 25 |
| TOTAL | | /50 |



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