This is a copy of the citation website

APA Citation Style

Publication Manual of the American Psychological Association, 6th edition (first printing), 2010

Journal Article: paginated by issue, online and hardcopy [See the discussion of DOI in the notes below]
Devine, P. G., & Sherman, S. J. (1992). Intuitive versus rational judgment and the role of stereotyping in the human condition: Kirk or Spock? *Psychological Inquiry, 3*(2), 153-159. doi:10.1207/s15327965pli0302_13

Journal Article: paginated by volume, from a database or website without a DOI [See the discussion of DOI in the notes below]
Hodges, F. M. (2003). The promised planet: Alliances and struggles of the gerontocracy in American television science fiction of the 1960s. *The Aging Male, 6*, 175-182. Retrieved from http://www.informaworld.com/TheAgingMale

Magazine Article
Mershon, D. H. (1998, November/December). Star trek on the brain: Alien minds, human minds. *American Scientist, 86*(6), 585.

Newspaper Article
Di Rado, A. (1995, March 15). Trekking through college: Classes explore modern society using the world of Star trek. *Los Angeles Times*, pp. A3, A20-A22.

[Newspaper website that does not include page numbers. The square brackets show that this is a review.]
Ebert, R. (2009, May 6). [Review of the motion picture *Star trek*, produced by Paramount, 2009]. *Chicago Sun-Times*. Retrieved from http://rogerebert.suntimes.com

Books
Okuda, M., & Okuda, D. (1993). *Star trek chronology: The history of the future*. New York, NY: Pocket Books.

[Book with no author; see notes]
Star trek: Four generations of stars, stories, and strange new worlds. (1995). Radnor, PA: News America Publications.

Book Article or Chapter
James, N. E. (1988). Two sides of paradise: The Eden myth according to Kirk and Spock. In D. Palumbo (Ed.), *Spectrum of the fantastic* (pp. 219-223). Westport, CT: Greenwood.

Encyclopedia Article
Sturgeon, T. (1995). Science fiction. In L. T. Lorimer et al. (Eds.), *The encyclopedia Americana* (Vol. 24, pp. 390-392). Danbury, CT: Grolier.

ERIC Document
Fuss-Reinock, M. (1993). *Sibling communication in Star trek: The next generation: Conflicts between brothers*. Retrieved from ERIC database. (ED364932)

Websites: [see notes below]
Episokhian, J. (2004, February 20). *Confessions of a closet trekkie*. Retrieved October 12, 2009, from Jammer's Reviews website: http://www.jammersreviews.com/articles/confessions.php

[Page with a corporate author and the name of the website is the same as the name of the author.]
National Aeronautics and Space Administration. (2009, May 28). *NASA astronaut watches new Star trek movie in space*. Retrieved from http://www.nasa.gov/mission_pages/station/behindscenes/star_trek.html

[Page with a corporate author and the name of the website is different from the name of the author.]
National Aeronautics and Space Administration, Jet Propulsion Laboratory. (2007, May 10). *Mission could seek out Spock's home planet*. Retrieved from PlanetQuest: Exoplanet Exploration website: http://planetquest.jpl.nasa.gov/news/planetVulcan.cfm

[Page with a no author.]
The Roddenberry legacy of human potential: If only, if only. (2007, October 24). Retrieved January 7, 2009, from Star Trek Official Site website: http://www.startrek.com/startrek/view/news/editorials/article/2310913.html

Wiki
Star trek planet classifications. (n.d.). In *Wikipedia*. Retrieved January 7, 2009, from http://en.wikipedia.org/wiki/Star_Trek_planet_classifications

Blog
Zomplst. (2009, September 30). Star wars: Hope not so now anymore [Web log message]. Retrieved from http://zomplst.wordpress.com/2009/09/30/star-wars-hope-not-so-new-anymore/

Internet Video
Crusade2267. (2006, November 02). For the uniform: One fan's obsession with Star trek, part 1 [Video file]. Retrieved from http://www.youtube.com/watch?v=ul5q4PTME-M

PowerPoint Presentation
Oard, D. W. (2001). *Bringing Star trek to life: Computers that speak and listen* [PowerPoint slides]. Retrieved from University of Maryland TerpConnect website: http://terpconnect.umd.edu/~oard/papers/cpsp118t.ppt

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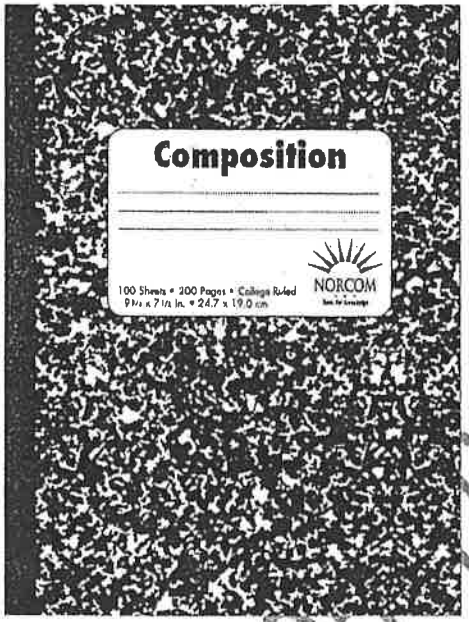
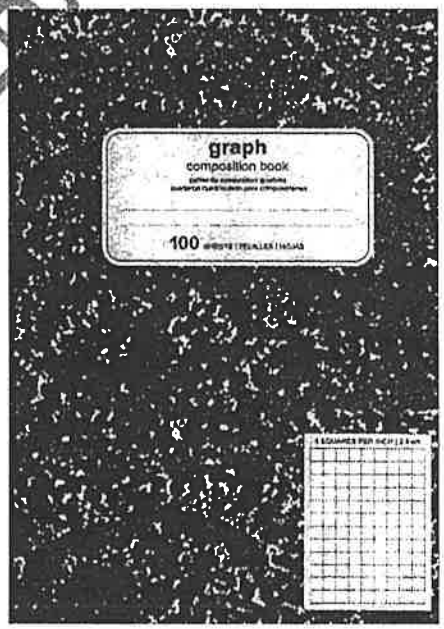
INDEPENDENT INVESTIGATION LOG BOOK



Use either kind of composition book



INDEPENDENT INVESTIGATION LOG BOOK CHECKLIST

- ☐ Appropriate Project (In order for project to be accepted):
  - Scientific thought behind the investigation
  - Content learned can have a real impact on life
  - Grade-level and ability-level appropriate (if using Internet, look at 12th grade)
- ☐ Format:
  - Black ink
  - One-inch margins (top and both sides of each page)
  - All additional pages should be numbered on the front and back side of each page from the beginning to the end of the book.
  - All entries must be dated and timed in the top right hand corner of the entry's first page.
- ☐ Outline of Content:
  - Your name and class block should be written on the book cover in black ink.
  - A title page must be written on the front side of the first page.
  - Each new entry should begin on the front side of a new page.
- ☐ Content:
  - The log book should include accurate and detailed notes about the accomplishments (no matter how small) you have made each day on your project.
  - It should begin with the day your topic was approved.
  - The notes should show consistency and thoroughness when writing summaries from research.
  - Notes should come from at least 5 scientific resources and supporting resources if necessary.
  - Black and white copies of resources can be neatly glued with paste into the book **if** they are **required** for referencing. (Examples: diagrams, graphs)
  - Handwritten notes for bibliographies
  - A list Internet sites used for research may be printed on copy paper and then glued into the log book.
  - Handwritten rough drafts of each component of the scientific investigation (everything that is in your report)
  - Handwritten rough drafts of your charts and graphs
  - Black and white paper copies of your experiment and results' pictures
- ☐ Science Log Writing Style Used (includes personal reflections):
  - Use the active voice/first person when making an entry so it clearly indicates who did the work. (This is the only place where you can use I, me, my, mine, etc.)
- ☐ Presentation:
  - Content may be a little "messy" because this book should be a log of everything you do and contain all drafts of everything you write, log, or construct for your experimental design, research plan, research summaries, pictures, charts, graphs, report, abstract, and display board layout.
  - A complete log should be kept in a composition book.

Your Name Typed Here as a Header

Experimental Design

Title of Investigation Goes Here

Purpose:

XXXX

Your Name Typed Here as a Header

Research Plan

Title of Investigation Goes Here

Question Being Addressed:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXX. XXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX. XXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

Hypothesis:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXX. XXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX. XXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

Description of Method or Procedures:

- Procedures:
  1. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXX.
  2. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.
  3. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.
  4. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXX.
- Analysis:

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Bibliography

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INDEPENDENT INVESTIGATION RESEARCH PLAN CHECKLIST

- ☐ Appropriate Project (in order for project to be accepted):
  - Scientific thought behind the investigation
  - Content learned can have a real impact on life
  - Grade-level and ability-level appropriate (if using Internet, look at 12th grade)
- ☐ Format:
  - Black ink
  - One-inch margins (top, bottom and both sides)
  - Font type: Times New Roman
  - Font size: 12 points (up to 16 points may be used for the heading, title, and subheadings)
  - Double space is used between the title and title of investigation, between the title of investigation and body, and between each of the 5 investigation components [Question Being Addressed, Hypothesis, Description of Method or Procedures (Procedures, Analysis), and Bibliography]
  - Single space within the content typed for each of the 5 investigation components
- ☐ Outline of Content:
  - Student's name is right aligned as a header
  - The title of this piece of work, Research Plan, is centered at the top margin
  - Relevant title of investigation is left aligned and double-spaced below the heading
  - 5 labels [Question Being Addressed, Hypothesis, Description of Method or Procedures (Procedures, Analysis), and Bibliography] of an investigation that are relevant to a research plan precedes appropriate content
  - 5 relevant investigation components are in order
  - 250 words – MAXIMUM
- ☐ Content:
  - 5 components contain correct information
  - Each investigation component builds on the previous component
  - Each component contains thorough information
  - **HINT:** "Question Being Addressed" is the same thing as the Problem
  - Procedures (relevant steps of experiment are listed in detail with specific measurements, time, etc.)
  - Analysis questions are answered (see the scientific investigation outlined notes)
  - Bibliography (APA style of citation used, see the following website for assistance) http://www2.liu.edu/cwis/cwp/library/workshop/citapa.htm
- ☐ Scientific Writing Style Used (no personal information should be used):
  - No name(s) of the investigator or human subject(s) are used
  - Human subject(s) should be identified by pseudo names (Examples: Person A, Person B; Subject A, Subject B, etc.)
  - Research Plan is written in third person and **FUTURE** tense (No pronouns referring to the investigator; such as; I, me, my, mine, etc. should be used)
- ☐ Grammar & Mechanics:
  - Capitalization & spelling
  - Verb tense
  - Subject-verb agreement
  - Sentence structure
  - Coherent components
  - Spacing
  - Punctuation
- ☐ Presentation:
  - Neat
  - Clean
  - Professional (in a report cover with a clear view front)

Your Name Typed Here as a Header

Abstract

Title of Investigation Goes Here

Purpose:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXX. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX. XXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

Hypothesis:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXX. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX. XXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

Procedures:

1. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX.
2. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.
3. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.
4. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXX.

Results:

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Conclusion:

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INDEPENDENT INVESTIGATION ABSTRACT CHECKLIST

- Appropriate Project (In order for project to be accepted):
  - Scientific thought behind the investigation
  - Content learned can have a real impact on life
  - Grade-level and ability-level appropriate (if using Internet, look at 12th grade)
- Format:
  - Black ink
  - One-inch margins (top, bottom and both sides)
  - Font type: Times New Roman
  - Font size: 12 points (up to 16 points may be used for the heading, title, and subheadings)
  - Double space is used between the title and title of investigation, between the title of investigation and body, and between each of the 5 investigation components (Purpose, Hypothesis, Procedures, Results, and Conclusion)
  - Single space within the content typed for each of the 5 investigation components
- Outline of Content:
  - Student's name is right aligned as a header
  - The title of this piece of work, Abstract, is centered at the top margin
  - Relevant title of investigation is left aligned and double-spaced below the title
  - 5 labels (Purpose, Hypothesis, Procedures, Results, and Conclusion) of an investigation that are relevant to an abstract precedes appropriate content
  - 5 relevant investigation components are in order
  - 250 words – MAXIMUM
- Content:
  - 5 components contain correct information
  - Each investigation component builds on the previous component
  - Each component contains thorough information
  - Procedures (relevant steps of experiment are listed in detail with specific measurements, time, etc.)
  - Results [**ONLY** a discussion explaining the data should be used. Do not insert actual chart(s) &/or graph(s) into the abstract.]
- Scientific Writing Style Used (no personal information should be used):
  - No name(s) of the investigator or human subject(s) are used
  - Human subject(s) should be identified by pseudo names (Examples: Person A, Person B; Subject A, Subject B, etc.)
  - Abstract is written in third person and **PAST** tense (No pronouns referring to the investigator; such as; I, me, my, mine, etc. should be used)
- Grammar & Mechanics:
  - Capitalization & spelling
  - Verb tense
  - Subject-verb agreement
  - Sentence structure
  - Coherent components
  - Spacing
  - Punctuation
- Presentation:
  - Neat
  - Clean
  - Professional (in a report cover with a clear view front)

INDEPENDENT INVESTIGATION REPORT CHECKLIST

- Appropriate Project (In order for project to be accepted):
  - Scientific thought behind the investigation
  - Content learned can have a real impact on life
  - Grade-level and ability-level appropriate (if using Internet, look at 12th grade)
- Format:
  - Black ink
  - One-inch margins (top, bottom and both sides)
  - Font type: Times New Roman
  - Font size: 12 points (up to 16 points may be used for the title and subheadings)
  - The entire report should be double-spaced except for the cover page and bibliography.
- Outline of Content:
  - Cover page has appropriate details (See sample)
  - Title page has appropriate details (See sample)
  - Table of Content page has appropriate details (See sample)
  - Relevant title of investigation present in appropriate places (See sample)
  - 12 components (Introduction, Problem, Research, Hypothesis, Materials, Protocol, Results, Analysis, Conclusion, Future Work(s), Application(s), and Bibliography) of an investigation that are relevant to a report precedes appropriate content
  - 12 relevant investigation components are in order
  - Bibliography page has appropriate details (See website below)
- Content:
  - 12 components contain correct information (See your scientific investigation notes for details about the problem through conclusion)
  - Each investigation component builds on the previous component
  - Each component contains thorough information (See your notes for details)
  - Protocol (relevant steps of experiment are listed in detail with specific measurements, time, etc., pictures showing close-up shots of the experiment steps)
  - Results [picture(s), chart(s), graph(s), and a discussion explaining the precision/ lack of precision in the data in the chart(s) and explaining the patterns in graph(s)]
  - Analysis (See your notes for details)
  - Conclusion (See your notes for details)
  - Future Work(s) (Tell what you could do to improve your investigation/enhance it)
  - Application(s) (Explain how your discovery(ies) can be used in real life)
  - Bibliography (APA citation used, see the following website for assistance) http://www2.liu.edu/cwis/cwp/library/workshop/citapa.htm
- Scientific Writing Style and Photography Methods Used (no personal information or faces displayed):
  - No name(s) of the investigator or human subject(s) are used
  - Human subject(s) should be identified by pseudo names (Examples: Person A, Person B; Subject A, Subject B, etc.)
  - All report components are written in third person and **PAST** tense (No pronouns referring to the investigator; such as; I, me, my, mine, etc. should be used)
  - No faces in pictures (pictures are very close up shots of the experiment steps &/or results)

- Grammar & Mechanics:
  - Capitalization & spelling
  - Verb tense
  - Subject-verb agreement
  - Sentence structure
  - Coherent components
  - Spacing
  - Punctuation
- Presentation:
  - Neat
  - Clean
  - Professional (in a report cover with a clear view front)

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Your Title Goes Here

A relevant and creative computer generated illustration goes here

submitted by:
Your Name Goes Here

Your class block goes here ⇒

Ms. S. Evans
Science
January 6, 2015
Independent Investigation Report

Page numbers correspond to the page on which the components begin

Introduction:

Problem:

 1

 2

 3

 4

 5

Hypothesis:

Materials:

- Xxxxxx
- Xxxxxxx
- Xxxxxxx
- Xxxxxx
- Xxxxxx
- Xxxxxx

Procedure:

Pictures of the experiment go here

Step 1 Step 2 Step 3

Step 4 Step 5 Step 6

Results:

Pictures of the results go here

Figure 1 Figure 2 Figure 3

Figure 4 Figure 5 Figure 6

The Title of Your Table Goes Here

Heading	Heading (Units)			Average (Units)
	Trial 1	Trial 2	Trial 3	
XXXX	XX	XX	XX	XX
XXXX	XX	XX	XX	XX
XXXX	XX	XX	XX	XX
XXXX	XX	XX	XX	XX

Table 1

The Title of Your Graph Goes Here

Analysis:

Conclusion(s):

Future Work(s):

Application(s):

Bibliography

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX. XXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXX.

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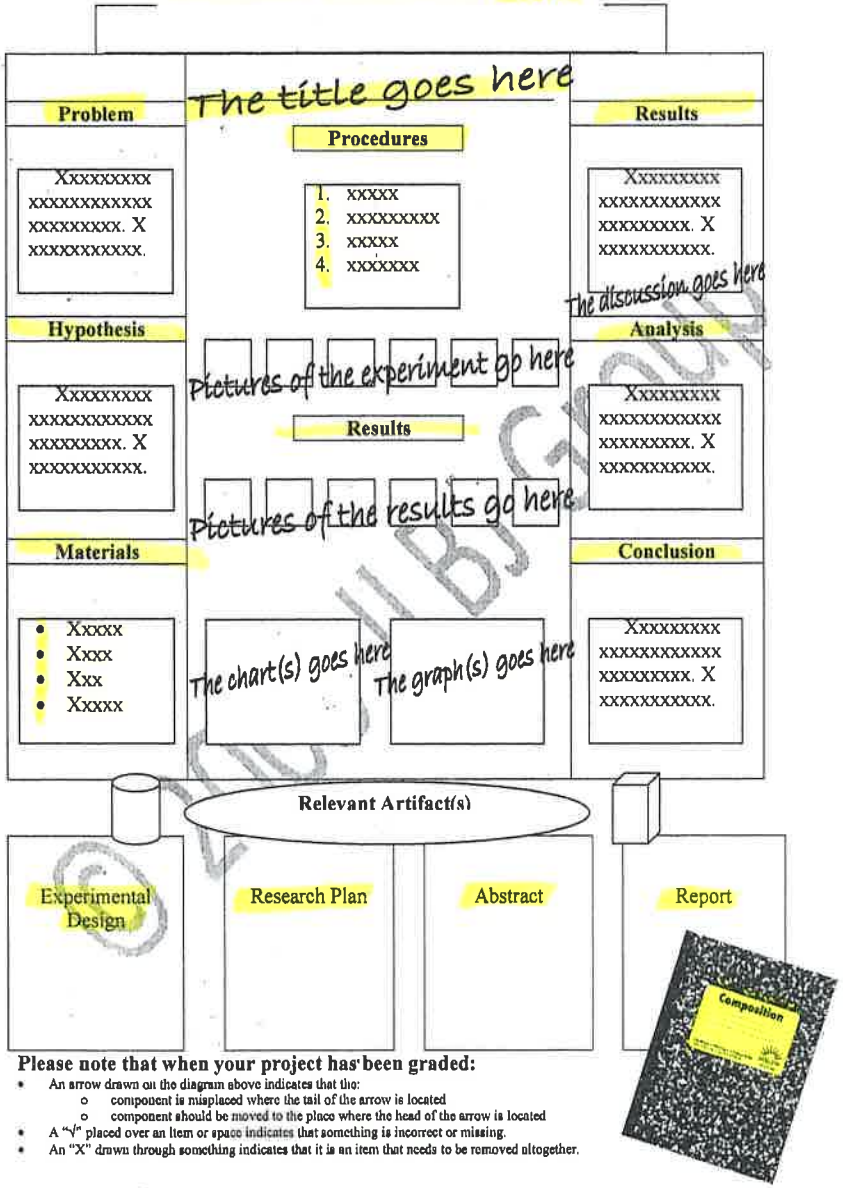
INDEPENDENT INVESTIGATION DISPLAY



Please note that when your project has been graded:

- An arrow drawn on the diagram above indicates that the:
  - component is misplaced where the tail of the arrow is located
  - component should be moved to the place where the head of the arrow is located
- A "√" placed over an item or space indicates that something is incorrect or missing.
- An "X" drawn through something indicates that it is an item that needs to be removed altogether.

INDEPENDENT INVESTIGATION DISPLAY CHECKLIST

- Appropriate Project (In order for project to be accepted):
  - Scientific thought behind the investigation
  - Content learned can have a real impact on life
  - Grade-level and ability-level appropriate (if using Internet, look at 12th grade)
- Display Meets Safety Guidelines (In order for display to be accepted):
  - No staples on or in the display board
  - No liquids on display
  - No carbon containing substance (anything that was or is living) on display
- Format:
  - Typed or bought lettering (Everything on the board should be computer-generated, bought, and/or cut-outs; including the title and labels.)
  - Appropriate amount of space is used for the title and for each of the 7 investigation components [Problem, Hypothesis, Materials, Procedures (list and pictures), Results (pictures, charts, graphs, and discussion), Analysis, and Conclusion]
- Outline of Content:
  - A relevant title for the project is present
  - 7 components are in order
    - Left side of display board from top to bottom, in this order: Problem, Hypothesis, Materials
    - Middle section of display board from top to bottom, in this order: project title; Procedures' list; Procedures' pictures; and Results' pictures, chart(s), and graph(s)
    - Right side of display board from top to bottom, in this order: Results' discussion, Analysis, Conclusion
- Content:
  - 7 components of an investigation relevant to a display board are posted and labeled
  - Each component contain correct information
  - Each investigation component builds on the previous component
  - Each component contains thorough information
  - Experiment
    - Relevant steps listed in detail with specific measurements, time, etc.
    - Picture(s) with label(s) (when applicable)
  - Results
    - Picture(s) with label(s) (when applicable)
    - Table(s) used with title, headings, correct units, and valid data (when applicable)
    - Graph(s) used with title, labels, correct units, appropriate scales, appropriate spacing, and correct plotting (when applicable)
    - Discussion explains the precision/lack of precision in the data in the chart(s) and explains the patterns in graph(s)
  - Analysis questions are answered (see scientific investigation outlined notes)
- Scientific Writing Style and Photography Methods Used (no personal information or faces displayed):
  - No name(s) of the investigator or human subject(s) are used
  - Human subject(s) should be identified by pseudo names (Examples: Person A, Person B; Subject A, Subject B, etc.)
  - All display components are written in third person and **PAST** tense (No pronouns referring to the investigator; such as; I, me, my, mine, etc. should be used)

- No faces in pictures (pictures are very close up shots of the experiment steps &/or results)

- Grammar & Mechanics:
  - Capitalization & spelling
  - Verb tense
  - Subject-verb agreement
  - Sentence structure
  - Coherent components
  - Spacing
  - Punctuation
- Presentation:
  - Relevant décor (borders, matting, and pictures)
  - Creative
  - Colorful
  - Clutter-free board
  - Neat
  - Clean
  - Professional (**SMOOTH** edges, **ONLY** paste-like glue, **removable glue**, or double-sided tape used to assemble everything on the board)
  - Relevant artifacts are present
    - Completed log book with minimal errors is present
    - Completed experimental design with minimal errors is present
    - Completed research plan with minimal errors is present
    - Completed abstract with minimal errors is present
    - Completed report with minimal errors is present