**Flowchart: Like Lightning**

Your teacher will guide you through what a flowchart is first:

VIDEO: [FlowCharts](https://youtu.be/KOiISYSt7xE) (2:57)

**Flowcharts are REALLY helpful to understand processes**

**Your task** is to:

* Create a FLOWCHART which describes how lightning is formed USING one of the following:
  + Google slides ([instructions help here](https://slidesgo.com/slidesgo-school/google-slides-tutorials/how-to-create-flowcharts-in-google-slides))
  + Easel.ly ([templates here](https://www.easel.ly/blog/process-infographic-templates-and-examples/))
  + Canva ([template here](https://www.canva.com/design/DAFDsL3AnJk/JNGZ_URDJ-x0jeMUgRPlbQ/view?utm_content=DAFDsL3AnJk&utm_campaign=designshare&utm_medium=link&utm_source=publishsharelink&mode=preview))
  + Your book- drawing it in
* Create a bibliography- *include at least ONE - TWO references, using Harvard referencing, in alphabetical order.*

**You may use the resources provided below:**

[Lightning](http://www.youtube.com/watch?v=_bY-8ozney8)

[NASA - How Is Lightning Made?](https://www.nasa.gov/audience/forstudents/k-4/home/F_What_Causes_Lightning_Flash.html)

[What causes lightning and thunder? | NOAA SciJinks – All About Weather](https://scijinks.gov/lightning/)

[What causes lightning?](http://www.planet-science.com/categories/over-11s/natural-world/2012/06/what-causes-lightning.aspx)

[How far away can you see lightning and hear thunder?](https://www.weatherwizkids.com/weather-lightning.htm)

A REMINDER regarding referencing. See the guide on the NEXT PAGE

| INSERT A SCREENSHOT OF YOUR FLOWCHART HERE |
| --- |

| INSERT YOUR REFERENCE HERE |
| --- |

**REFERENCING GUIDE:**

For each of your resources you will need to complete the following:

**STEP 1:** Find the given information based on your TYPE of resource

**STEP 2:** Put that information together into a correct reference with commas, full stops, brackets and colons

**STEP 3:** Arrange them ALL in alphabetical order

**BOOKS**

For a **book** you’ll need the following information:

| **WHO-**  Author (multiple ones- write et al.) | **WHEN**  Year published | **WHAT- name**  Title of the book (in italics) | **WHERE-** Location of publisher | **WHO**- Publisher’s name |
| --- | --- | --- | --- | --- |

The format of the reference MATTERS. This includes commas, full stops, brackets and colons). Include them WHERE they are in the format!

*Here’s the format of the reference:*

| **Books** | **NAMED AUTHOR:**  Author’s surname, Initial. (year published). *Title: subtitle.* Publisher: Place of publication.  **NAMED, MULTIPLE AUTHORS:**  Author’s surname, Initial. et al., (year published). *Title: subtitle.* Publisher: Place of publication. |
| --- | --- |

***AN EXAMPLE- A textbook:***

| Author’s surname, Initial. (year published). *Title: subtitle.* Publisher: Place of publication. | | | | |
| --- | --- | --- | --- | --- |
| **WHO-**  Author (multiple ones- write et al.) | **WHEN**  Year published | **WHAT- name**  Title of the book (in italics) | **WHO**- Publisher’s name | **WHERE-** Location of publisher |
| **Arena, P. et al.** | **2018** | ***Jacaranda Core Science Stage 4*** | **John Wiley & Sons Australia** | **Queensland** |
| Arena. P. et al., (2018) *Jacaranda Core Science Stage 4.*  John Wiley & Sons Australia: Queensland. | | | | |

**DIGITAL RESOURCES:**

For a **digital/ online resourc**e you’ll need the following information:

| **WHO**  Author  Company  **OR**  Author’s surname, initial. | **WHEN**  Year written/ updated | **WHAT- name**  Title of site (in italics) | **WHERE- Web address:** URL | **WHEN- When did you view it?**  Accessed date |
| --- | --- | --- | --- | --- |
|

The format of the reference MATTERS. This includes commas, full stops, brackets and colons). *Here’s the format of the reference:*

NASA, (2007). *How is lightning made.* [online] Available URL: [*https://www.nasa.gov/audience/forstudents/k-4/home/F\_What\_Causes\_Lightning\_Flash.html*](https://www.nasa.gov/audience/forstudents/k-4/home/F_What_Causes_Lightning_Flash.html)[Accessed 13 June 2023]

| **Digital resources** | **NAMED AUTHOR:**  Author’s surname, Initial., (year). *Title: subtitle.* [online] Available URL: web address [Accessed date].  **COMPANY NAME ONLY:**  Company name, (year). *Title: subtitle.* [online] Available URL: web address [Accessed date]. |
| --- | --- |

| **EXAMPLE 1- Company instead of a specific person**  Company name, (year). *Title: subtitle.* [online] Available URL: web address [Accessed date]. | | | | |
| --- | --- | --- | --- | --- |
| **WHO**  Author  Company  **OR**  Author’s surname, initial. | **WHEN**  Year written/ updated | **WHAT- name**  Title of site (in italics) | **WHERE- Web address:** URL | **WHEN- When did you view it?**  Accessed date |
|
| Sydney Catholic Schools | 2022 | *St Mary’s Cathedral College Sydney* | <https://www.smccsydney.catholic.edu.au/> | Accessed 1 June 2022 |
| Sydney Catholic Schools, (2022). *St Mary’s Cathedral College Sydney.* [online] Available URL: <https://www.smccsydney.catholic.edu.au/> [Accessed 1 June 2022]. | | | | |

| **EXAMPLE 2- Named author**  Author’s surname, Initial., (year). *Title: subtitle.* [online] Available URL: web address [Accessed date]. | | | | |
| --- | --- | --- | --- | --- |
| **WHO**  Author  Company  **OR**  Author’s surname, initial. | **WHEN**  Year written/ updated | **WHAT- name**  Title of site (in italics) | **WHERE- Web address:** URL | **WHEN- When did you view it?**  Accessed date |
|
| Pennisi, E. | 2022 | *World’s largest organism found in Australia* | <https://www.science.org/content/article/world-s-largest-organism-found-australia> | Accessed 1 June 2022 |
| Pennisi, E., (2022). *World’s largest organism found in Australia.* [online] Available URL: <https://www.science.org/content/article/world-s-largest-organism-found-australia> [Accessed 1 June 2022]. | | | | |

**Putting it together as a reference list/ bibliography:**

References MUST be listed in ALPHABETICAL order, to be in the correct HARVARD referencing system. Ordering the resources above into a bibliography will look like this:

| **Bibliography**  Arena. P. et al., (2018) *Jacaranda Core Science Stage 4.* Queensland: John Wiley & Sons Australia.  Pennisi, E., (2022). *World’s largest organism found in Australia.* [online] Available URL: <https://www.science.org/content/article/world-s-largest-organism-found-australia> [Accessed 1 June 2022].  Sydney Catholic Schools, (2022). *St Mary’s Cathedral College Sydney.* [online] Available URL: <https://www.smccsydney.catholic.edu.au/> [Accessed 1 June 2022]. |
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