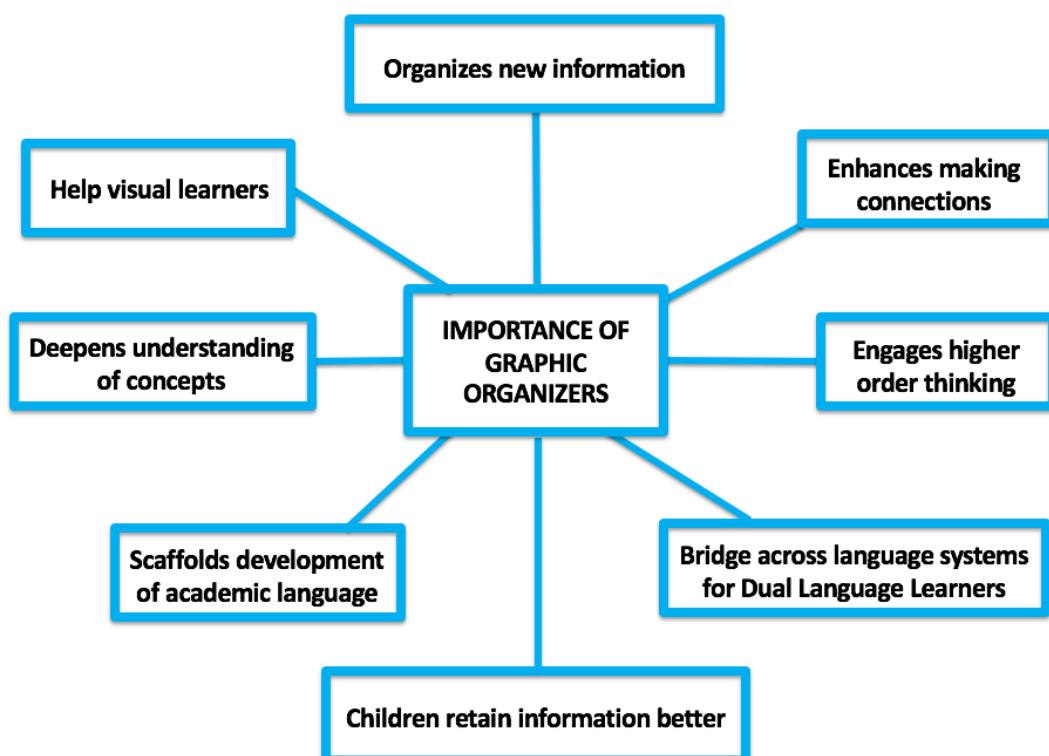


# Graphic Organizers

## Summary

Graphic organizers are a visual representation of thinking and processing of knowledge. While a wide range of visuals are important for supporting a child's comprehension of content, graphic organizers are a specific type of visual map or diagram that display relationships between facts, concepts or ideas – guiding and organizing thinking. Graphic organizers are, in fact, sometimes referred to as a "map" because they "map out" thinking in a visual manner. There are many similar names for graphic organizers including: knowledge maps, concept maps, cognitive organizers, advance organizers or concept diagrams.

Brain research tells us that the human brain is a pattern seeker, and that visual input is a key mechanism for learning. For all children, graphic organizers help to organize information and scaffold more conceptual and analytic thinking by providing a visual display of connections, patterns and the relationships between information. When a graphic organizer is used regularly, across content and purposes, children come to associate that visual pattern with thought processes and language systems. Research reviews have concluded that using graphic organizers improves performance in the following areas: (see *graphic organizer below*).



For visual learners and children learning a new language, graphic organizers are particularly important to support comprehension because the relationships among ideas and information are visually displayed and therefore not language-dependent. This lessens the cognitive load for children. For Dual Language Learners who are learning academic content in one language and also learning a second language, the graphic organizers are vehicles that bridge across the two languages – greatly enhancing the transfer of knowledge into two different language systems

While there are numerous graphic organizers, SEAL has selected just a few that are connected to the key academic analytical functions and academic language functions (see table below).

| Language Function  | Related Graphic Organizers  | Grammatical Aspects (for Teacher Reference)   |
|--------------------|---|---|
| Description        | <ul style="list-style-type: none"><li>• Web</li><li>• T-Chart</li><li>• Tree Map</li><li>• Categorical Matrix (<i>single row</i>)</li></ul> | <ul style="list-style-type: none"><li>• nouns, pronouns</li><li>• adjectives, adjective phrases</li><li>• the verb “to be” &amp; “to have” using common nouns and adjectives</li><li>• articles, conjunctions, connecting phrases</li></ul>   |
| Compare & Contrast | <ul style="list-style-type: none"><li>• Venn Diagram</li><li>• Categorical Matrix (<i>two or more rows</i>)</li><li>• T-Chart</li></ul>     | <ul style="list-style-type: none"><li>• adjectives, comparative adjectives, superlatives</li><li>• adverbs</li><li>• conjunctions</li></ul>   |
| Classification     | <ul style="list-style-type: none"><li>• Split Oval</li><li>• T-Chart</li><li>• Four-Square</li><li>• Categorical Matrix</li></ul>           | <ul style="list-style-type: none"><li>• nouns</li><li>• adjectives</li><li>• connecting phrases</li></ul>   |
| Sequence           | <ul style="list-style-type: none"><li>• Flow Chart</li><li>• Timeline</li><li>• Story Map</li></ul>   | <ul style="list-style-type: none"><li>• past, present, &amp; future tense of <i>was/is/will be</i></li><li>• signal words showing chronological order</li><li>• adverb clauses, adverbs of time</li><li>• subordinate conjunctives, relative clauses, prepositional phrases</li></ul> |
| Quantification     | <ul style="list-style-type: none"><li>• Column Chart</li><li>• Bar Graph</li></ul>  | <ul style="list-style-type: none"><li>• counting system, cardinal and ordinal numbers,</li><li>• comparative adjectives, adjective phrases</li></ul>  |

## Description / Descripción

### Summary

Graphic organizers for **description** include the **Web** (La red), the **T-Chart** (Tabla en forma de T), **Tree Map**, and the **Categorical Matrix** (single row). These provide a visual scaffold that clarifies the meaning of a thing, a character, an event or a concept.

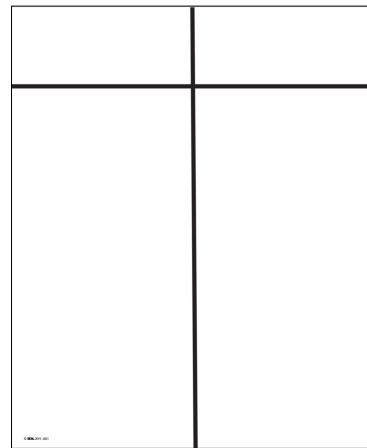
In the **Web**, the topic is labeled in a central circle. Descriptors, examples, behaviors and characteristics are linked to the topic through spokes that emanate from the circle, showing their connection.

On a **T-Chart**, the event or thing being described is labeled at the top of a page, with columns under it that are labeled “looks like”, “sounds like”, “acts like”, etc.

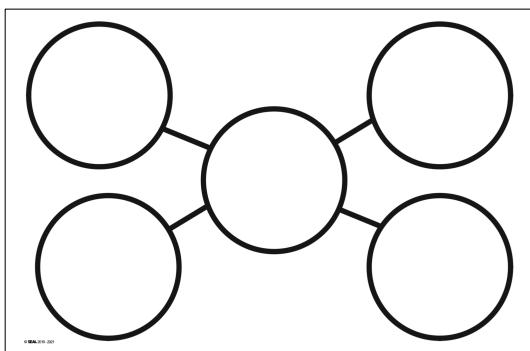
A **Tree Map**, similar to a T-Chart, creates columns relating to characteristics of the thing being described, providing component labels or key verbs that support children in description.

A **Categorical Matrix** (single row) is also a form of graphic organizer that later scaffolds into compare and contrast functions.

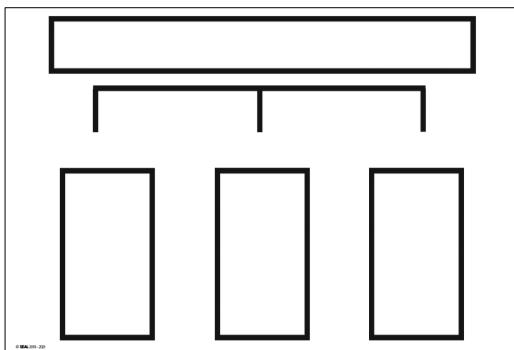
**T- Chart**



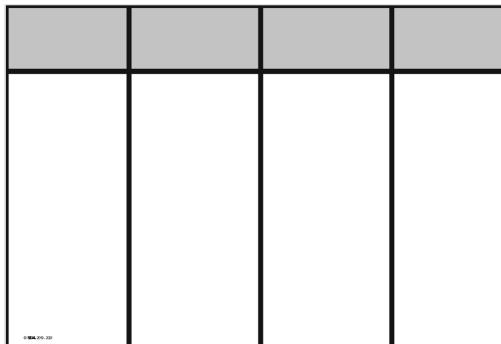
**Web**



**Tree Map**



**Categorical Matrix**



## Inherent Academic Language

| English  | Spanish   |
|--|---|
| Describe, description                                  | <i>Describir, la descripción</i>                  |
| Web  | <i>La red</i>                                     |
| Spokes   | <i>Los rayos</i>                                  |
| Characteristics, characterized by                      | <i>Las características, caracterizado por</i>     |
| Attributes   | <i>Los atributos</i>                              |
| Components   | <i>Los componentes</i>                            |
| Parts, aspects   | <i>Las partes, los aspectos</i>                   |
| Qualities  | <i>Las cualidades</i>                             |
| Properties   | <i>Las propiedades</i>                            |
| Contains   | <i>Contener, Contiene</i>                         |
| Consists of  | <i>Consistir en, constar de</i>                   |
| Defined by   | <i>Se define como</i>                             |
| Exhibits   | <i>Muestra, Mostrar, Demonstrar</i>               |
| In addition  | <i>Además</i>                                     |
| Looks like, smells like, tastes like, sounds like..... | <i>Se ve como, huele a, sabe a, suena como...</i> |

## Grammatical Aspects

- Nouns, pronouns, adjectives, adjective phrases, articles, nominalization, conjunctions, connecting phrases.
- The verb “to be” using common nouns and adjectives
- The verb “to have” using common nouns and adjectives

## Scaffolds

| From simple to complex          |  |
|---------------------------------|--|
| <b>Prompts/questions</b>        | Tell me about _____. What does it look like? What does it do?<br>Describe _____. What are some of the characteristics of _____?<br>Identify some components of _____.  |
| <b>Indicaciones y preguntas</b> | Háblame de _____. ¿A que se parece? ¿Qué hace?<br>Describa _____. ¿Cuáles son algunas de las características de _____?<br>Identifica algunos componentes de _____.   |
| <b>Sentence Frames</b>          | The ____ is _____ (and _____.)<br>The ____ has _____ (and _____.)<br>The ____ are _____ (and _____.)<br>It has/they have _____.<br>_____ consists of _____.<br>____ can be defined by its _____ and _____.<br>The characteristics of ____ are _____ (and _____.) |
| <b>Ejemplos de frases</b>       | <i>El _____ tiene _____ para _____ .</i><br><i>El/ella tiene _____.</i><br><i>_____ es (una característica/ o consiste) de _____ .</i><br><i>_____ se define por _____ y _____ .</i><br><i>Las características de _____ son _____ y _____ .</i>                  |

## Language Function Chants

### Description Chant

By Heather Skibbins

(Tune: If You're Happy and You Know It)

If you say what it looks like—you describe,  
If you say what it looks like—you describe,  
If you say what it sounds like, tastes like, or feels like,  
If you tell its qualities—you describe.

The \_\_\_\_\_ is \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_,  
The \_\_\_\_\_ has \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_,  
It's characterized by \_\_\_\_\_ and \_\_\_\_\_,  
If you tell its qualities—you describe.

### Canto de descripción

Por Heather Skibbins

(Melodía: If You're Happy and You Know It)

*Si tú dices como parece—tú describes  
Si tú dices como suena— tú describes  
Si tú dices como huele o que sabor tiene,  
Si tú dices las cualidades—tú describes.*

### La hora de describir

Por Jaylene Shelby

(Melodía: BINGO)

*Es hora de describir  
Aquí hay un objeto  
Es muy \_\_\_\_\_  
Se ve muy \_\_\_\_\_  
Se siente muy \_\_\_\_\_  
Es un/una \_\_\_\_\_*

Ejemplo de versículos llenos  
*Es hora de describir  
Aquí hay un objeto  
Es muy grande  
Se ve muy limpio  
Se siente muy suave  
Es un peluche*

## Veo, veo

Por Patricia Montes Pate

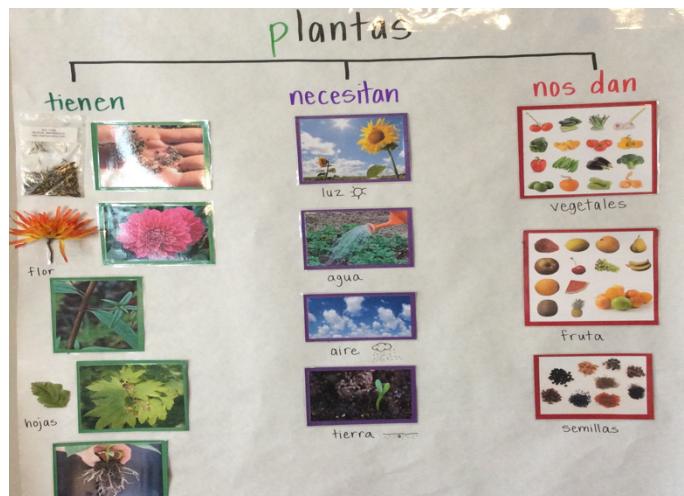
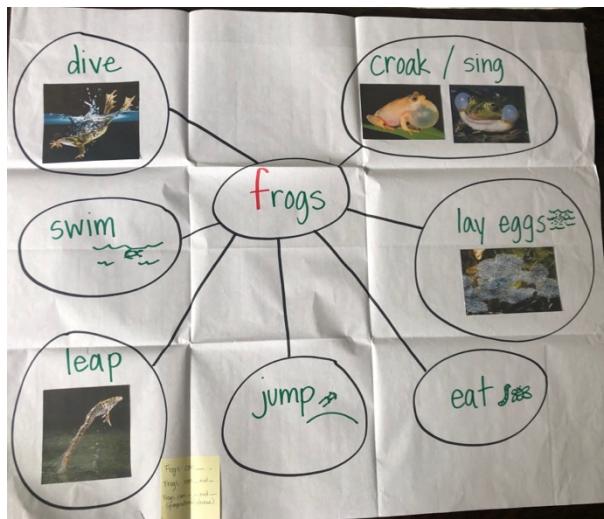
<https://www.youtube.com/watch?v=8yFRUW1Qxt4>

Veo, veo  
 ¿Qué ves?  
 Una cosita.  
 ¿Y qué cosita es?  
 Te la/lo voy, a describir,  
 Escucha bien, luego puedes deducir.

Diga algunas características

Es \_\_\_\_,  
 Tiene \_\_\_\_,  
 Una cualidad/propiedad/característica es \_\_\_\_.  
 Además \_\_\_\_.  
 Se ve/suena como \_\_\_\_.  
 Huele/sabe a \_\_\_\_.

## Images of Graphic Organizers



| Animal   | Characteristics  | Habits  | Diet   | Interesting Facts   |
|--|--|---|--|---|
| <br><b>fish</b> | <br> |  |  |  |

## Notes on Strategy

---

---

---

---

---

---

# Compare and Contrast / Comparar y contrastar

## Summary

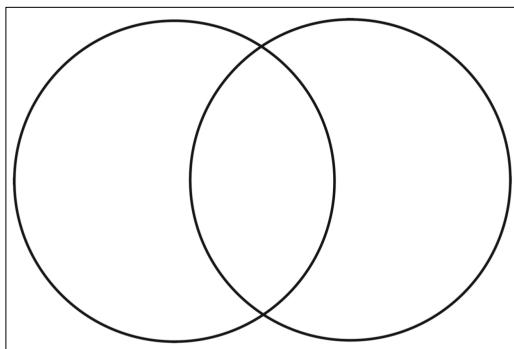
Graphic organizers for **comparing** and **contrasting** two or more things (or characters or events) include: the **Venn Diagram**, the **Categorical Matrix** (two or more rows), and the **T-Chart**. These represent the similarities and differences among things based on specific attributes.

In the **Venn Diagram**, there are two overlapping circles. The unique characteristics of two items or concepts are listed in the outer sections of the two circles. The overlap section lists the shared characteristics.

In the **Categorical Matrix**, the items to compare are listed in the rows; the characteristics of each item are listed in the columns. The rows are specific examples you want to compare.

The **T-Chart** can also be used to compare and contrast characteristics of an object or concept.

**Venn Diagram**



**Categorical Matrix**

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**T-Chart**

|  |  |
|--|--|
|  |  |
|  |  |

## Inherent Academic Language

| English  | Spanish  |
|--|--|
| Attributes, characteristics<br>____er, ____est | <i>Los atributos, las características</i><br><i>Más, La cosa más _____ de/que.</i> |
| Same, different                                | <i>El mismo, diferente</i>   |
| Both   | <i>Los dos, ambos</i>  |
| Compare, contrast                              | <i>Comparar y contrastar</i>   |
| Alike, “is like”                               | <i>Parecido, “es como”</i>   |
| Unlike   | <i>A diferencia de</i>   |
| But, in contrast                               | <i>Pero, en contraste con</i>  |
| Compare to, In comparison to                   | <i>Compara con, En comparación con</i>   |
| Similar, similarly                             | <i>Similar, de manera similar</i>  |
| Just as  | <i>Así como</i>  |
| Differences between                            | <i>Las diferencias entre</i>   |
| Have in common                                 | <i>Tiene en común</i>  |
| Unique   | <i>Único</i>   |
| Some are _____; others are _____.              | <i>Algunos son _____; otros son _____.</i>   |
| Whereas, however                               | <i>Mientras que, sin embargo</i>   |
| Distinction                                    | <i>Distinción</i>  |
| Distinguish between                            | <i>Distinguir entre</i>  |
| As opposed to                                  | <i>En lugar de</i>   |
| On the other hand                              | <i>Por el contrario</i>  |
| Are the same because...                        | <i>Son iguales porque...</i>   |

## Grammatical Aspects

- Adjectives, conjunctions
- Comparative adjectives
- Superlatives
- Adverbs

## Scaffolds

|                          | From simple to complex  |
|--------------------------|---|
| Prompts/questions        | <p>Tell me/show me one way that ____ and ____ are the same.<br/>     Tell me/show me one way that ____ and ____ are different.<br/>     How are ____ and ____ similar?<br/>     How are ____ and ____ different?<br/>     What are two similarities between ____ and ____?<br/>     How would you compare ____ and ____?<br/>     Compare and contrast ____ and ____.</p>   |
| Indicaciones y preguntas | <p>Díme / muéstrame una manera de que ____ y ____ son similares.<br/>     Díme / muéstrame una manera de que ____ y ____ son diferentes.<br/>     ¿Cómo son ____ y ____ similar?<br/>     ¿Cómo son ____ y ____ diferentes?<br/>     ¿Cuáles son dos similitudes entre ____ y ____?<br/>     ¿Cómo compararía ____ y ____?<br/>     Compare y contraste ____ y ____.</p>  |
| Sentence Frames          | <p>____ is _____. ____ is not _____.<br/>     ____ and ____ are the same. They both have/are _____.<br/>     ____ is _____. By comparison, ____ is _____.<br/>     Both ____ and ____ are/have _____. However, they differ in that ____ is/has ___, but ____ does not.<br/>     Whereas ____ is _____, ____ is _____.<br/>     While ____ and ____ are similar in that they share ____, a key distinction is _____.<br/> </p> |
| Ejemplos de frases       | <p>____ y ____ son similares / diferentes porque _____.<br/>     Una característica única de _____ es _____.<br/>     Tanto ____ y ____ son _____.<br/>     _____ es _____; sin embargo, _____ es _____.</p>  |

## Language Function Chants

### Let's Compare

By Laurie Olsen

(Tune: Brother John)

Let's compare, let's compare,  
2 little things, 2 little things,  
They are similar,  
And also different,  
Here's how, here's how:

They are similar, very similar  
The \_\_\_\_\_ and \_\_\_\_\_. (repeat)  
They both have/are\_\_\_\_\_,  
And they have/are\_\_\_\_\_,  
That's the same, that's the same.

They're also different, they're also different,  
The \_\_\_\_\_ and \_\_\_\_\_. (repeat)  
\_\_\_\_\_ has/is\_\_\_\_\_,  
But \_\_\_\_ is/does not,  
We compared, we compared.

#### Example of verses filled in:

They are similar, very similar  
The ball and car. The ball and car.  
They both are toys  
And they are red  
That's the same, That's the same

They're also different, They're also different  
The ball and car. The ball and car.  
The ball has stripes.  
But the car does not.  
We compared, we compared.

### It's Fun to Compare

By Laurie Olsen

(Tune: The More We Get Together)

It's fun to compare objects  
Compare objects, compare objects  
It's fun to compare objects  
And see what's the same.

They both are \_\_\_\_,  
And they both have \_\_\_\_.

It's fun to compare objects and see what's the same!

### Comparamos y contrastamos

Por Jaylene Shelby

(Melodía: Pulgarcito)

Comparamos, contrastamos,  
2 objetos, 2 objetos,  
Son iguales,  
Son diferentes,  
Yo te digo como:

\_\_\_\_\_ y \_\_\_\_\_ (repetir),  
Son similares, son similares,  
Los 2 tienen/son \_\_\_\_\_,  
También tienen/son \_\_\_\_\_,  
Son iguales, son iguales.

\_\_\_\_\_ y \_\_\_\_\_ (repetir),  
Son diferentes, son diferentes,  
\_\_\_\_\_ tiene/es \_\_\_\_\_,  
Y \_\_\_\_\_ no lo tiene/es.  
Comparamos, contrastamos.

### Comparar y contrastar

Por Patricia Montes Pate

(Melodía: Buenos días)

<https://www.youtube.com/watch?v=WdQ-aL8S7k>

Vamos a comparar, vamos a comparar,  
El/la \_\_\_\_\_ y el/la \_\_\_\_\_.  
¿Cómo son similares? ¿Cómo son similares?  
¿Qué tienen en común? ¿Qué tienen en común?

### Diga algunas características

Son iguales porque \_\_\_\_\_.

Ambos tienen/son \_\_\_\_\_.

Vamos a contrastar, vamos a contrastar,  
El/la \_\_\_\_\_ y el/la \_\_\_\_\_.  
¿Cómo son diferentes? ¿Cómo son diferentes?  
¿Qué es una distinción? ¿Qué es una distinción?

### Diga algunas características

Son distintos porque \_\_\_\_\_ y \_\_\_\_\_.

Una diferencia es que \_\_\_\_\_ y \_\_\_\_\_.

### Ejemplo de versículos llenados

Comparamos, contrastamos,  
2 objetos, 2 objetos,  
Son iguales,  
Son diferentes,  
Yo te digo como:

El carro y la pelota (repetir),  
Son similares, son similares,  
Los 2 son rojos,  
Los 2 son juguetes,  
Son iguales, son iguales.

El carro y la pelota (repetir),  
Son diferentes, son diferentes,  
La pelota tiene rayas,  
Y el carro no tiene.  
Comparamos, contrastamos

### Ejemplo de versículos llenados

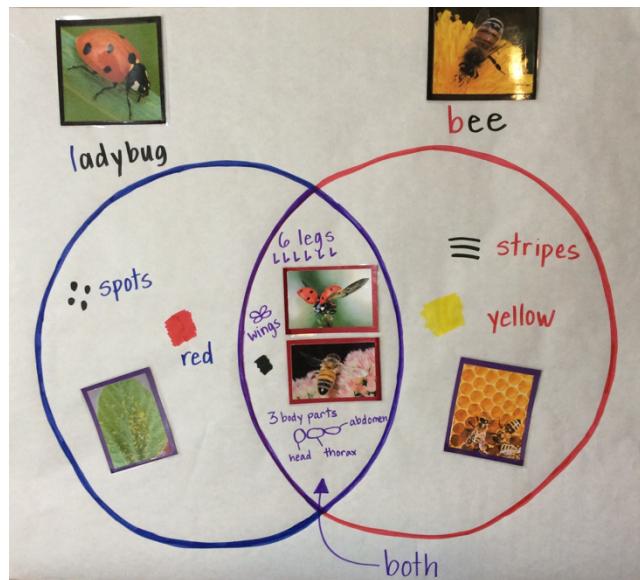
Vamos a comparar, vamos a comparar,  
La gallina y la vaca,  
¿Cómo son similares? ¿Cómo son similares?  
¿Qué tienen en común? ¿Qué tienen en común?

Son iguales porque los dos viven en una granja.  
Ambos comen pasto.

Vamos a contrastar, vamos a contrastar,  
La gallina y la vaca.  
¿Cómo son diferentes? ¿Cómo son diferentes?  
¿Qué es una distinción? ¿Qué es una distinción?

Son distintos porque la gallina tiene plumas y la vaca tiene pelo.  
Una diferencia es que la gallina tiene dos patas y la vaca tiene cuatro patas.

## Images of Graphic Organizers



| Title<br>Author<br>Illustrator | Character | Who made it? | Who did it run from? | Who ate it? |
|--------------------------------|-----------|--------------|----------------------|-------------|
| COCOBEAR BOY                   |           |              |                      |             |
| Runaway Tortilla               |           |              |                      |             |
| Running Rice Cake              |           |              |                      |             |

## Notes on Strategy

---



---



---



---

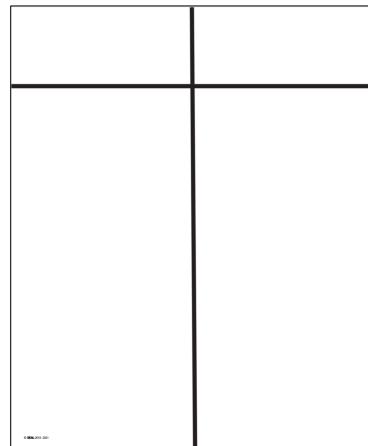
# Classification (Sorting & Categorization) / Clasificación y categorización

## Summary

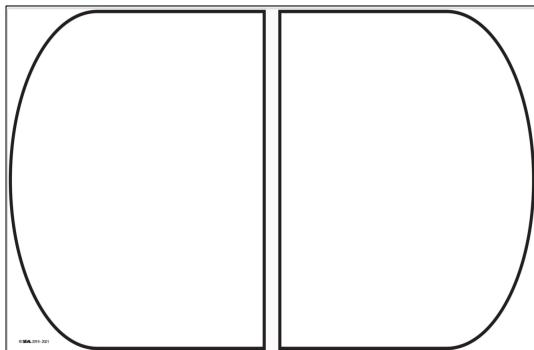
Graphic organizers used for **classification** and **categorization**, such as the **Split Oval**, **T-Chart**, **Four-Square**, and **Categorical Matrix** (*2 or more rows*), enable children to visualize how objects or ideas can be grouped according to main characteristics. It involves defining the category and the characteristics or rules that govern what belongs to that category.

The **Categorical Matrix** (*2 or more rows*) classifies things by shared attributes. It can be used to examine different characteristics (columns) of a thing, animal, event or concept (the row), as well as to focus on the key concept (the column) with a set of examples represented by the rows.

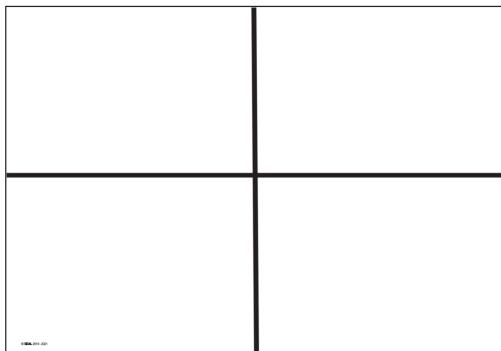
**T-Chart**



**Split Oval**



**Four-Square**



**Categorical Matrix**



A 3x4 grid divided into twelve equal cells. The top row and first column are shaded gray. The bottom-left cell contains a small copyright notice: © SEAL 2019-2021.

## Inherent Academic Language

| English                     | Spanish                                       |
|-----------------------------|---|
| Parts                       | <i>Las partes</i>                             |
| Categories, categorize      | <i>Las categorías, categorizar/clasificar</i> |
| Classification              | <i>La clasificación</i>                       |
| Type, form, mode            | <i>El tipo, la forma, el modo</i>             |
| Features, traits, qualities | <i>Los rasgos, las cualidades</i>             |
| Belong, belongs to          | <i>Pertenecer, pertenece a</i>                |
| Fits into                   | <i>Encaja con</i>                             |
| Group, grouped together     | <i>Agrupar</i>                                |
| Similar properties          | <i>Propiedades similares</i>                  |
| Sort                        | <i>Ordenar</i>                                |
| Comprised of                | <i>Constar de</i>                             |
| Used for, made with         | <i>Es usado para, hecho de</i>                |
| Is/is not                   | <i>Es, no es</i>                              |
| Characteristics             | <i>Características</i>                        |

## Grammatical Aspects

- Nouns, adjectives, connecting phrases

**Scaffolds**

| <b>From simple to complex</b>   |   |
|---------------------------------|---|
| <b>Prompts/questions</b>        | In which category do each of these belong? Show me.<br>Is _____ an example of _____ or of _____? How do you know?<br>To which group does _____ belong? Why?<br>Which of these items belong together?  |
| <b>Indicaciones y preguntas</b> | <i>¿En cuál categoría pertenece cada uno de éstos? Muéstrame.</i><br><i>¿Es _____ un ejemplo de _____ o de _____? ¿Cómo lo sabes?</i><br><i>¿A cuál grupo pertenece _____? ¿Por qué?</i><br><i>¿Cuál de estos artículos pertenecen juntos?</i>                      |
| <b>Sentence Frame</b>           | _____ and _____ belong together because they are both _____.<br>I know that _____ is a _____ because it has _____.<br>_____ and _____ are both types of _____.<br>_____ consists of _____.<br>_____ and _____ are types of _____ because they _____.                |
| <b>Ejemplos de frases</b>       | _____ y _____ pertenecen al mismo grupo porque _____.<br>Yo sé que _____ es _____ porque _____.<br>_____ y _____ son (tipos/ formas) de _____.<br>_____ se clasifica como _____.<br>_____.<br>_____ y _____ son tipos de _____ porque ambos tienen _____.<br>_____. |

## Language Function Chants

### Sorting

By Laurie Olsen

(Tune: Row, Row, Row Your Boat)

Sort, sort, sort them out,  
Where should they go?  
Pick a group and tell me why,  
That's how sorting goes.

### Clasificar

Por Jaylene Shelby

(Melodía: Pulgarcito)

*Clasifico, clasifico  
Cada cosa, cada cosa  
Hay grupos para todo  
Vemos el color,  
Tal vez el tamaño,  
Y agrupamos, agrupamos*

### Para clasificar

Por Patricia Montes Pate

(Melodía: La bamba)

<https://www.youtube.com/watch?v=Coy8Hoa1DNw>

*Para clasificar, para clasificar,  
Se necesita estudiar los objetos.  
Estudiar sus rasgos y cualidades,*

*Ay, arriba, arriba,  
Ay arriba, arriba,  
Y a arriba iré.*

*Fíjate en la forma, no, no, no, no,  
Fíjate en el color,  
Mide el tamaño  
¿Es pequeño, mediano, o es grande?*

*Vamos a estudiar, para clasificar.*

## Image of Graphic Organizer



## Notes on Strategy

---

---

---

---

---

---

---

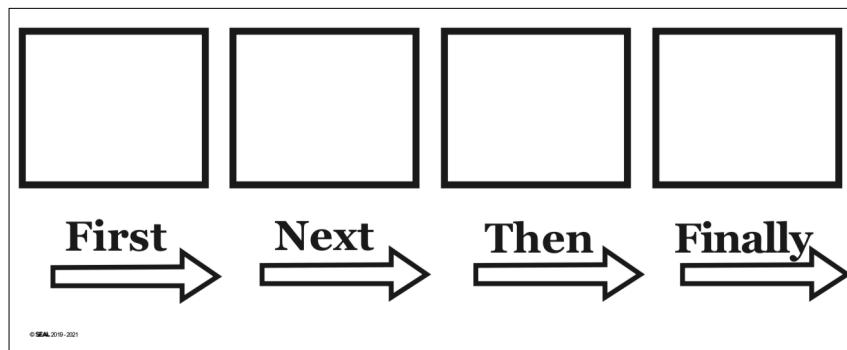
---

# Sequence/ Secuencia

## Summary

**Flow Charts** (diagrama de flujo), **Timelines** (línea de eventos) and **Story Maps** (mapa del cuento) are visual representatives of a **sequence** of events, actions or a multi-step process. They foster logical and sequential thinking and display for children the order in which something happens.

### Flow Charts



### Timeline



### Story Map

|                       |
|-----------------------|
| <b>Title</b><br>_____ |
| <b>Beginning</b>      |
| <b>Middle</b>         |
| <b>End</b>            |

© SEAL 2019-2021

This Story Map template is designed for writing a three-act story. It features a large title bar at the top, followed by three horizontal sections labeled "Beginning", "Middle", and "End". Arrows on the left side point downwards from the beginning section to the middle section, and from the middle section to the end section, guiding the writer through the narrative structure.

**Inherent Academic Language**

| English                        | Spanish                                     |
|--------------------------------|---|
| Flow chart                     | <i>Diagrama de flujo; mapa de secuencia</i> |
| Timeline                       | <i>Línea de tiempo</i>                      |
| Sequence                       | <i>Secuencia</i>                            |
| First                          | <i>Primero</i>                              |
| Second                         | <i>Segundo</i>                              |
| Third                          | <i>Tercero</i>                              |
| Then                           | <i>Luego, Entonces</i>                      |
| At first                       | <i>Al principio</i>                         |
| Next                           | <i>Después</i>                              |
| In the beginning               | <i>En el principio</i>                      |
| In the end                     | <i>Al final</i>                             |
| Initially                      | <i>Inicialmente</i>                         |
| Previously                     | <i>Anteriormente</i>                        |
| Since, given that              | <i>Puesto que, como</i>                     |
| Subsequently                   | <i>Desde que</i>                            |
| Finally                        | <i>Finalmente</i>                           |
| Following                      | <i>Después de</i>                           |
| Then                           | <i>Más tarde</i>                            |
| Before                         | <i>Antes de</i>                             |
| Sequence                       | <i>Secuencia</i>                            |
| Order, put in order            | <i>Orden</i>                                |
| Process                        | <i>Proceso</i>                              |
| Change                         | <i>Cambio</i>                               |
| In order for...                | <i>Para que</i>                             |
| Developed into                 | <i>Se desarrolló en</i>                     |
| Grew from                      | <i>Creció de</i>                            |
| Last week/year... yesterday... | <i>La semana pasada...ayer</i>              |
| Cycle                          | <i>Ciclo</i>                                |
| Chronological                  | <i>Cronológico</i>                          |
| Left to right                  | <i>De la izquierda a la derecha</i>         |
| Step                           | <i>Un paso</i>                              |
| In the past                    | <i>En el pasado</i>                         |
| Now, currently                 | <i>Ahora, actualmente</i>                   |
| Recount, retell                | <i>Por la mañana</i>                        |
| Patterns                       | <i>Al llegar</i>                            |
|                                | <i>Un día</i>                               |
|                                | <i>Por la tarde</i>                         |
|                                | <i>Al pasar los días</i>                    |
|                                | <i>Al paso del tiempo</i>                   |
|                                | <i>Más adelante</i>                         |
|                                | <i>La próxima semana</i>                    |
|                                | <i>Hoy en día</i>                           |
|                                | <i>Además</i>                               |

## Grammatical Aspects

- *Past tense/present tense/future tense: was/is/will be*
- *Adverb clauses, signal words showing chronological order*
- *Subordinate conjunctives, adverbs of time, relative clauses, prepositional phrases*

## Scaffolds

|                                 | From simple to complex  |
|---------------------------------|---|
| <b>Prompts/questions</b>        | Show me/tell me the first thing that happened.<br>Now show me what came next. What was the last thing that happened?<br>Put the events in the order they happened.<br>Explain the events in the order they happened.<br>Describe what happened from start to finish.<br>What was the process that resulted in this final outcome?   |
| <b>Indicaciones y preguntas</b> | <i>Muéstrame / díme lo primero que pasó.</i><br><i>Ahora muéstrame lo que vino después. ¿Cuál fue la última cosa que sucedió?</i><br><i>Ponga los eventos en el orden en que ocurrieron.</i><br><i>Explica los eventos en el orden en que ocurrieron.</i><br><i>Describa lo que pasó de principio a fin.</i><br><i>¿Cuál fue el proceso que dio lugar a este resultado final?</i> |
| <b>Sentence Frames</b>          | _____ was/were _____.<br>First _____. Then _____. Next _____. Finally, _____.<br>In the beginning, _____. It was followed by _____. Over time, _____. occurred. Eventually it led to _____.<br>In order for _____ to occur, _____ and _____ had to happen.  |
| <b>Ejemplos de frases</b>       | <i>Al principio, _____. Luego _____. Más tarde _____.</i><br><i>Después _____. Por último, _____.</i><br><i>Al principio, _____. Después de _____. Hacia el final _____. El cuento se terminó cuando_____.</i>  |

## Language Function Chants

### Number Order Song

By Laurie Olsen

(Tune: Row, Row, Row Your Boat)

1, 2, 3, 4,  
Put numbers in a row,  
1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>,  
That's how the order goes.

### El canto de la secuencia

Por Patricia Montes Pate

(Melodía: El baile de los colores)

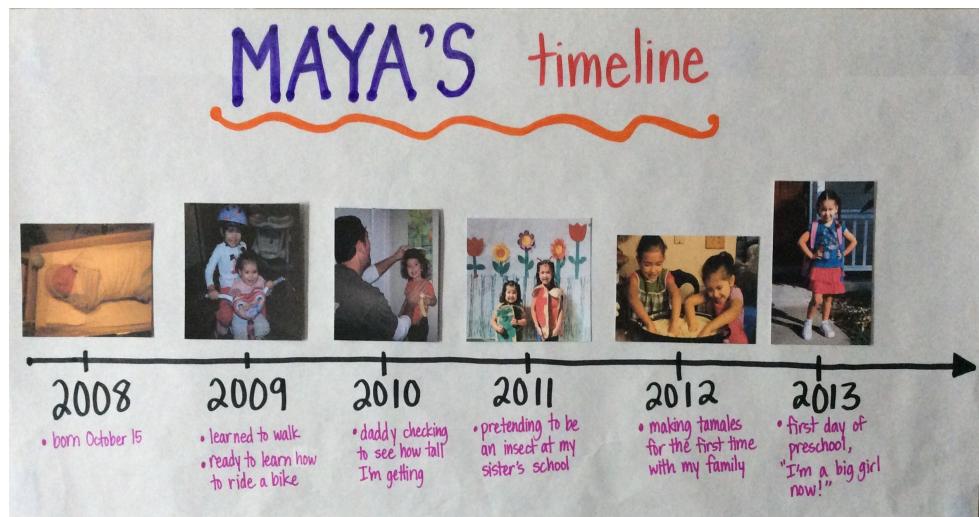
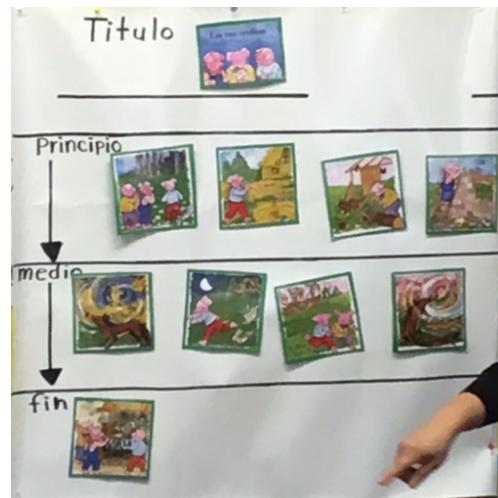
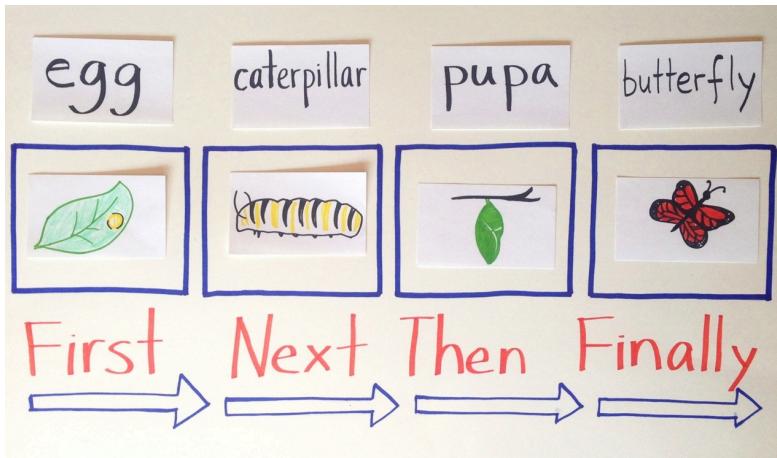
<https://www.youtube.com/watch?v=g-qPdZC54MU>

Este es el canto de la secuencia,  
de la secuencia,  
de la secuencia.

En este canto las palabras,  
cantan el orden,  
de lo que sucedió.

Primero, después,  
Luego, y más tarde,  
Hacia el final,  
Y, por último.

## Images of Graphic Organizers



## Notes on Strategy

---



---



---



---



---



---



---



---

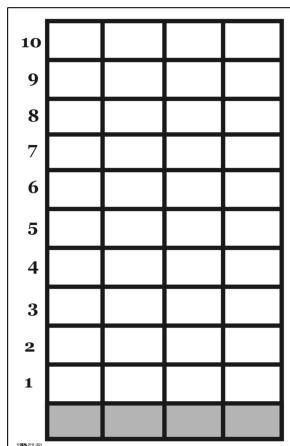
# Quantification / Cuantificación

## Summary

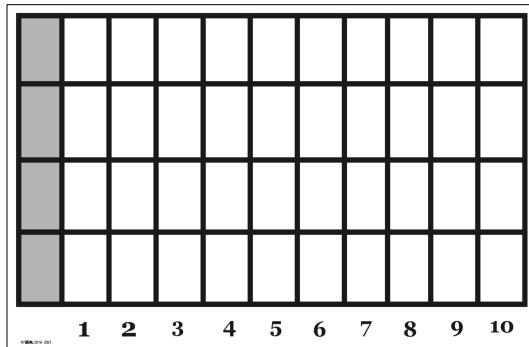
**Quantification** is the act of counting and measuring based on observation. It is fundamental as a math concept and a foundation for scientific method and social science data gathering.

A useful graphic organizer for quantification is the **Column Chart** (a vertical form of a **Bar Graph**) which enables children to see and conceptualize the relative number of items next to each other. Data is presented in columns, with the category names underneath the columns, and numbers listed from low to high along the vertical axis. It is important that the boxes be of equal size to visually reinforce the understanding of the concept *more or less*.

**Column Chart**



**Bar Graph**



## Inherent Academic Language

| English                        | Spanish   |
|--------------------------------|---|
| Quantity                       | <i>La cantidad</i>  |
| Count                          | <i>Contar</i>   |
| How many, how much             | <i>¿Cuántos?</i>  |
| More than, less than, equal to | <i>Más de, menos de, igual a</i>                                      |
| Most, least                    | <i>El mayor número, El menor número, el mínimo</i>                    |
| Numbers                        | <i>Los números</i>  |
| Sum, total                     | <i>La suma, la total</i>  |
| Altogether                     | <i>Juntos</i>   |
| In contrast, but, only         | <i>A diferencia de, en contraste con, pero, sino, solamente, solo</i> |
| Data                           | <i>Los datos</i>  |
| Classify                       | <i>Clasificar</i>   |
| Category names                 | <i>Nombres de las categorías</i>                                      |

## Grammatical Aspects

- Counting system, cardinal and ordinal numbers, comparative adjectives and adjective phrases.

## Scaffolds

|                                 | From simple to complex   |
|---------------------------------|--|
| <b>Prompts/questions</b>        | How many ____ are there?<br>Which are there more of? Which are there the least of?<br>Are there more _____ than blank?   |
| <b>Indicaciones y preguntas</b> | ¿Cuántas/os ____ hay?<br>¿Cuál tiene más?<br>¿Cuál tiene la menor cantidad?<br>¿Hay más _____ que _____?   |
| <b>Sentence Frames</b>          | There are more _____ than _____.<br>There are ____ number of ____, but only ____ number of _____.<br>Altogether, there are _____.  |
| <b>Ejemplos de frases</b>       | <i>La mayoría de los estudiantes están interesados en _____.</i><br><i>Más estudiantes quieren aprender sobre _____ que _____.</i><br><i>Sólo unos pocos estudiantes están interesados en _____.</i> |

## Language Function Chants

### Quantification Chant

By Patricia Montes Pate  
(Tune: Twinkle, Twinkle Little Star)

Counting's fun,  
Come count with me.  
Let's make a chart of what you see.

I see 1, 2, 3 \_\_\_\_\_  
I see 1, 2, 3, 4 \_\_\_\_\_  
I see 1, 2 \_\_\_\_\_  
I see 1, 2, 3 \_\_\_\_\_

(Once chart is complete, engage children in talking about the chart (data) that was generated.)

*Canción de Cuantificación  
Por Patricia Montes Pate  
(Melodía: She'll be Coming Round the Mountain)*

*Contaremos los objetos tú y yo,  
Tú y yo.*

*Contaremos los objetos tú y yo,  
Tú y yo.*

*Vemos 1, 2, 3 \_\_\_\_\_*

*Vemos 1, 2 \_\_\_\_\_*

*Vemos 1, 2, 3, 4 \_\_\_\_\_*

*(Crea un gráfico. Una vez que la tabla esté completa, haga que los niños hablen sobre la tabla (datos) que se generó.)*

### Images of Graphic Organizers

|   |          |           |           |          |                |          |          |          |                  |
|---|----------|-----------|-----------|----------|----------------|----------|----------|----------|------------------|
| 6 | pepino   | zanahoria | aguacate  | lechuga  | cebolla        | ajo      | albahaca | aguacate | aguacate         |
| 5 | aguacate | aguacate  | aguacate  | aguacate | aguacate       | aguacate | aguacate | aguacate | aguacate         |
| 4 | aguacate | aguacate  | aguacate  | aguacate | aguacate       | aguacate | aguacate | aguacate | aguacate         |
| 3 | aguacate | aguacate  | aguacate  | aguacate | aguacate       | aguacate | aguacate | aguacate | aguacate         |
| 2 | aguacate | aguacate  | aguacate  | aguacate | aguacate       | aguacate | aguacate | aguacate | aguacate         |
| 1 | aguacate | aguacate  | aguacate  | aguacate | aguacate       | aguacate | aguacate | aguacate | aguacate         |
|   | tomate   | calabaza  | zanahoria | chayote  | pimiento verde | elote    | papa     | apio     | cilantro cebolla |

|   |           |  |  |  |  |  |  |         |          |
|---|-----------|--|--|--|--|--|--|---------|----------|
| 8 | butterfly |  |  |  |  |  |  |         |          |
| 7 | butterfly |  |  |  |  |  |  |         |          |
| 6 | butterfly |  |  |  |  |  |  |         |          |
| 5 | butterfly |  |  |  |  |  |  | ladybug | blue fly |
| 4 | butterfly |  |  |  |  |  |  | ladybug | blue fly |
| 3 | butterfly |  |  |  |  |  |  | ladybug | blue fly |
| 2 | butterfly |  |  |  |  |  |  | ladybug | blue fly |
| 1 | butterfly |  |  |  |  |  |  | ladybug | blue fly |

How many ?

### Notes on Strategy

---



---



---



---



---



---