

Creative Concepts



Summarize main points from each video.

Title / topic _____

Title / topic _____

Title / topic _____

Topic Introduction

Summarize your understanding of each paragraph.

A diagram is a symbolic representation of information according to some visualization technique. Sometimes text without graphic enhancement is the best way to communicate in print. But sometimes, the use of a diagram can greatly enhance communication.

While “diagram” can refer to a variety of visual illustrations, in HoneycuttScience the expression “diagram” usually indicates some type of qualitative data with shapes that are connected by lines, arrows, or other visual links.

Quantifiable data (data with numeric values) can be displayed through X-Y grams, bar charts, pie charts, etc ... Most students are familiar with the use of diagrams to display numeric data. Students may not be as familiar with ways to display non-numeric data.

This topic is part of a series of Technique topics in Honeycutt Science. This topic is related to 21st Century Skills and Strategic Thinking. This topic emphasizes and encourages students to make use of seven different types of diagrams to convey qualitative data.

Read / Look / Compare



1. Read the passage.
2. View the image.
3. Compare / contrast the words with the image.

“A picture is worth one thousand words.” - *Unknown*

1

<https://www.brainyquote.com/topics/picture>



2

<http://greatinspire.com/30-stunning-black-and-white-photography/>

Using complete sentences, what is the message of #1 and #2?

3

Review Page for Comprehension

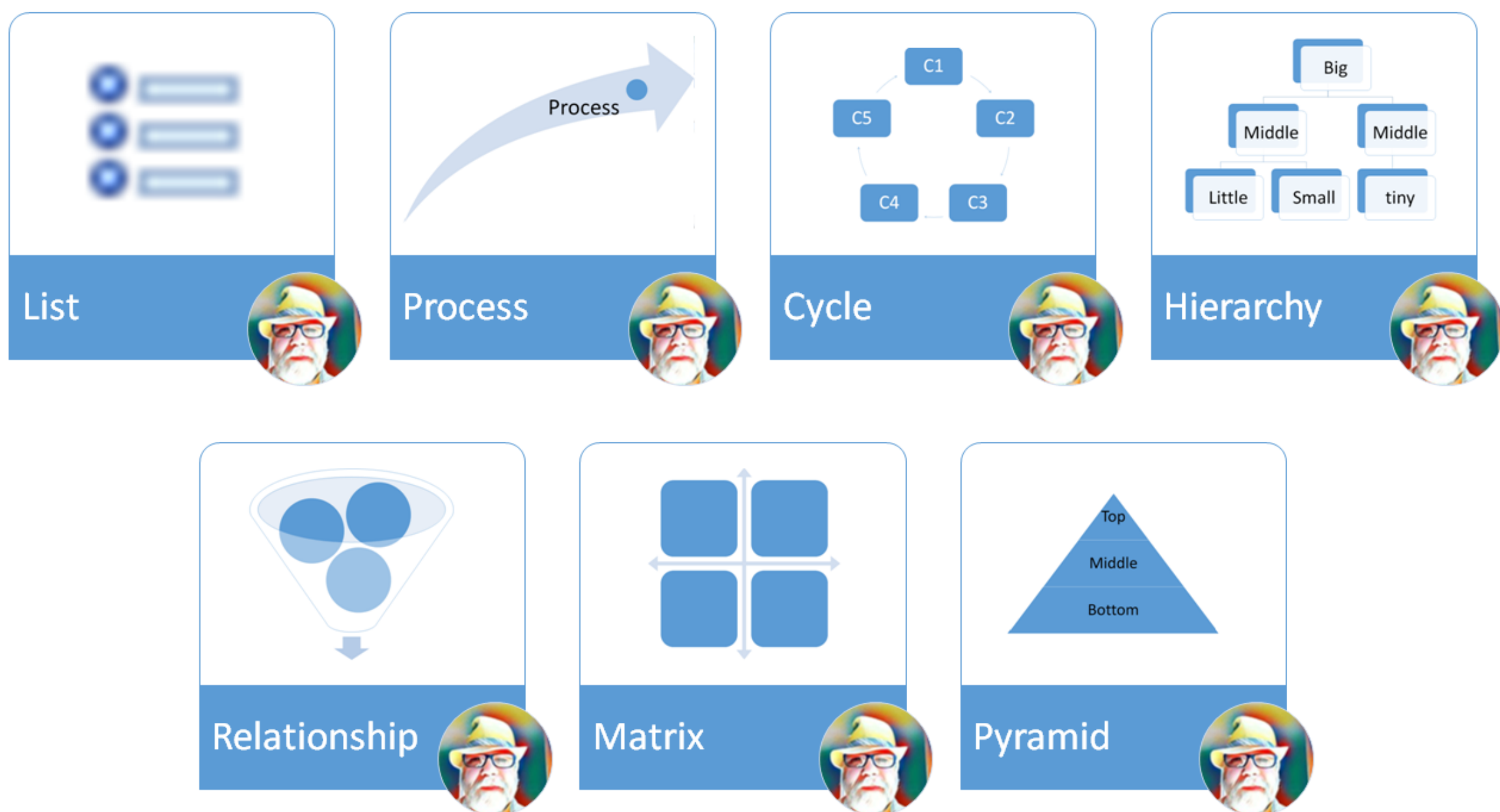
No summary is required.

Reference diagrams

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Adapted from <https://en.wikipedia.org/wiki/Diagram>



This packet intends to introduce some creative concepts through the use of “SmartArt” graphical diagrams.

After reviewing this packet, students will be better equipped to thoughtfully use diagrams to summarize and convey information.

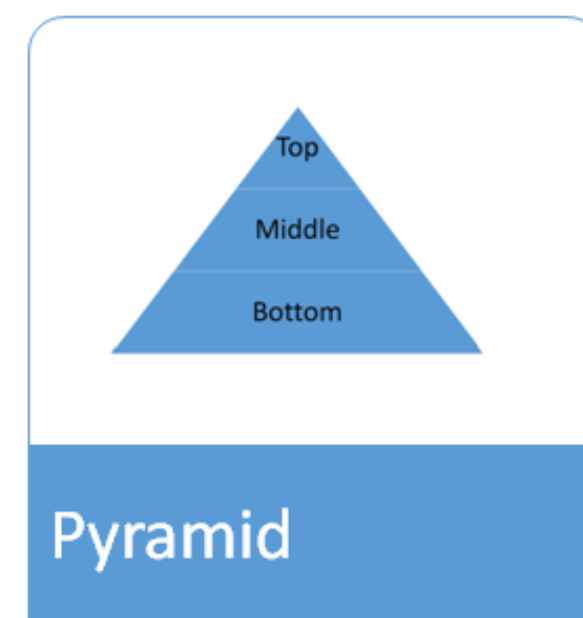
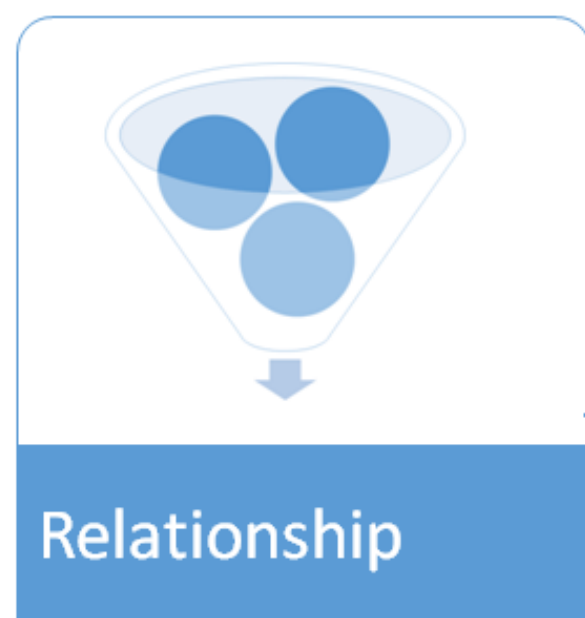
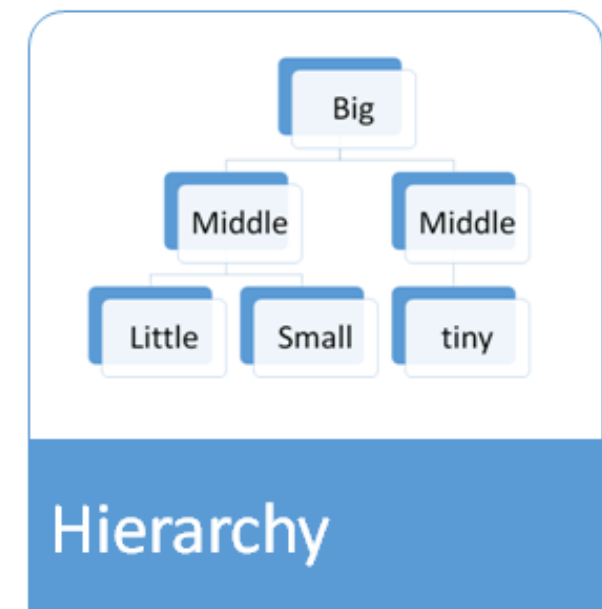
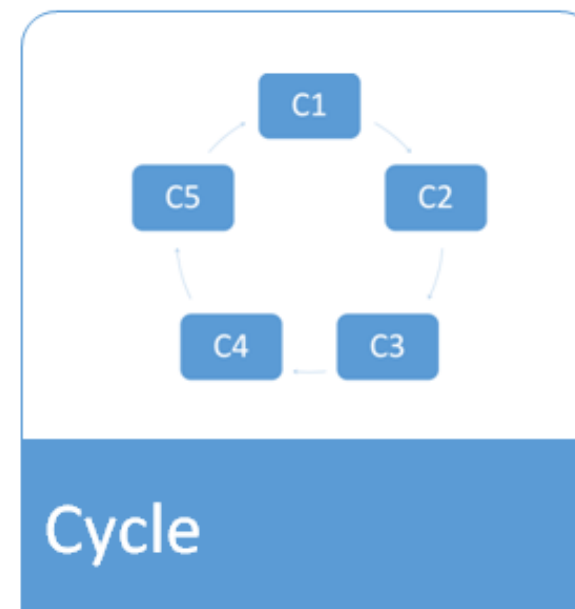
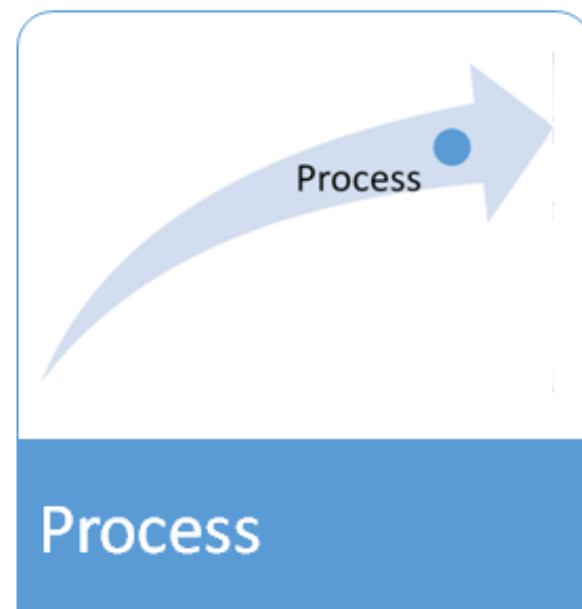
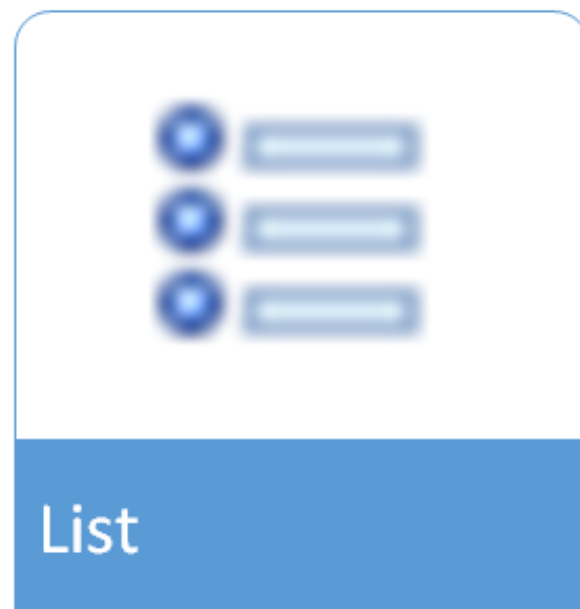
The use of diagrams directly supports three of the “4Cs” as part of 21st Century Skills: Critical thinking, Communication, and Creativity.

When working on a small team – selecting appropriate diagrams also contributes to Collaboration.

Draw Illustration



Copy and Label the Illustration in the Space Provided



Draw (Copy) the Illustration Here

Interpret a Diagram



Write the title of the diagram _____

Circle the primary type of diagram this represents

List Process Cycle Hierarchy Pyramid Matrix Relationship

Circle other diagram-types this diagram somewhat represents

List Process Cycle Hierarchy Pyramid Matrix Relationship

Summarize what this graph represents or conveys

Physical Science Sequence

Intro
Chem

Intro
Physics

Intro
Earth

Show-Off Your Smarts!



Instructions

- Complete as an individual or small group.
- Discuss your ideas/answers/responses in a small group.
- Select one person to present your responses to the class.

Q1. How can the use of the seven diagram types be applied to your life this year?

Q2. How can the use of the seven diagram types be applied to your life ten years from now?

Q3. In your opinion, which of the seven diagram types best represents the progression from kindergarten to your current level in school? Why? Draw it.

Draw it.

Make a Poster

In the space provided use the diagram-type listed to convey what you have learned in science this year.

Process Diagram

Pyramid Diagram

Relationship Diagram

List Diagram