

Fibonacci Scavenger Hunt

A scavenger hunt is an activity and/or competition where participants are given a list of items to find. Scavenger hunts are beneficial to learning as they can increase problem-solving skills, practice teamwork at times and can include movement and/nature experience. Today's scavenger hunt is based on the Fibonacci sequence and golden ratio.

Learning Objectives:

Students will:

- Recognize the Fibonacci numbers in nature, architecture, and art
- Use problem solving skills to determine the relationship between the Fibonacci numbers and the items found in the hunt

Directions:

1. Print this sheet, or make your own chart on a blank sheet of paper
2. Find a writing utensil (pen, pencil, etc.)
3. Search for "Items to Find" in the real world and place a check mark in the "Check" box once you find those items
4. Provide a short description of the item and how it relates to the Fibonacci spiral/sequence
5. Have fun!

Fibonacci Scavenger Hunt		
Check	Item to Find	Description of Item
	A flower with 13 pedals	
	A flower with 21 pedals	
	A flower with 5 pedals	
	Pine cone curved lines	
	A shell with the spiral pattern	
	Pineapple curved lines	
	Sunflower curved lines	
	Artichoke flower head cluster	

Examples:

