The Fibonacci Sequence

The Fibonacci sequence is a sequence in which each number is the sum of the two preceding numbers. They appear in nature, such as in the fruitlets of a pineapple, the flowering of artichoke, and the arrangement of a pine cone. Yes, there is a connection between the Fibonacci sequence and the golden ratio! We will explore several situations in which they occur, find some patterns in forming a hypothesis about the sequence, and hopefully prove our hypothesis as a group.