



# Quick Tip: Fibonacci Fade Plate



Combine mathematics and metallics to create this handsome design!

## What is the Fibonacci Sequence?

The Fibonacci sequence is a numbering system found in nature, from flower petals and pinecones to seashells. It's pleasing to the eye (even if you're not aware of it) and a versatile design tool. It starts with a one (or a zero), followed by a one. Each subsequent number is equal to the sum of the preceding two numbers:

**F (1) = 1, 1, 2, 3, 5, 8, 13, 21...**

For this project, we've translated the beginning of this Fibonacci sequence into centimeters and arranged them to transition from one color to another.

## Directions

1. Cut a 12 cm wide strip of Medium Amber, Gold Irid that will yield all of the strips, (which total 20 cm). Then score & break out strips in the following dimensions.
  - 1 cm x 12 cm (2x)
  - 2 cm x 12 cm
  - 3 cm x 12 cm
  - 5 cm x 12 cm
  - 8 cm x 12 cm
2. Repeat with Light Silver Gray, Silver Irid.
3. Arrange the strips to transition from one color into the next. See sequence example, above right.
4. Measure and cut 3 mm Clear to fit, approximately 12 cm x 40 cm.
5. Clean and load the strips with the iridescent coating face down on a primed kiln shelf. Cap with Clear and fire to a full fuse.



**Above:** Sequence example.

6. Coldwork the perimeter prior to slumping for crisp and clean edges.
7. Slump with the irid layer facing up. (Note: This plate only uses a portion of the mold.)

## Firing Schedules

- **Tip Sheet 7: Platmaking Tips** (basic fuse firing)
- **Mold Tips: Suggested Slumping Schedules**

## Materials

- Medium Amber, Gold Irid ([001137-0038](#))
- Light Silver Gray, Silver Irid ([001429-0037](#))
- Tekta Clear ([001100-0380](#))
- Medium Channel Plate Mold ([008944](#))