

# 🎯 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.



Sequence example

## Directions

1. Cut a 12cm wide strip of Medium Amber, Gold Irid that will yield all of the strips, (which total 20cm). Then score & break out strips in the following dimensions.
  - 1cm x 12cm (2x)
  - 2cm x 12cm
  - 3cm x 12cm
  - 5cm x 12cm
  - 8cm x 12cm
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 3mm Clear to fit, approximately 12cm x 40cm.
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.
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.)

For firing schedules, see:

**Tip Sheet 7: Platemaking Tips (basic fuse firing)**

**Mold Tips: Suggested Slumping Schedules.**

### MATERIALS

- 3mm **Medium Amber, Gold Irid** (001137-0038)
- 3mm **Light Silver Gray, Silver Irid** (001429-0037)
- 3mm **Tekta Clear** (001100-0380)
- 17", **Medium Channel Plate Mold** (8944)