



FRONT PANEL

1

2

3

4

5

6

FOLD

x

x

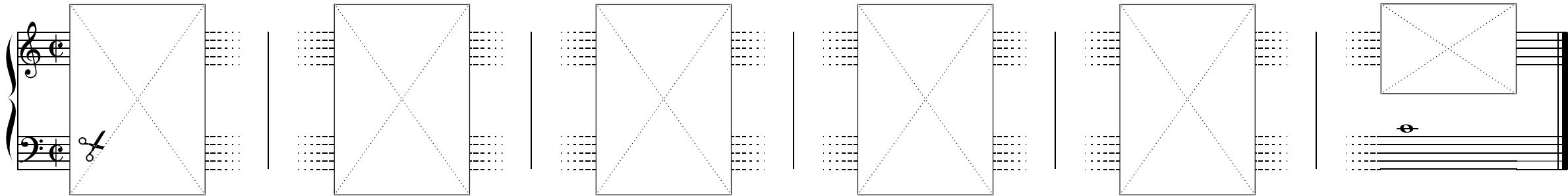
x

x

x

x

# THE BACH MACHINE



#CPE*Bach*300

x

x

x

x

x

x

FOLD

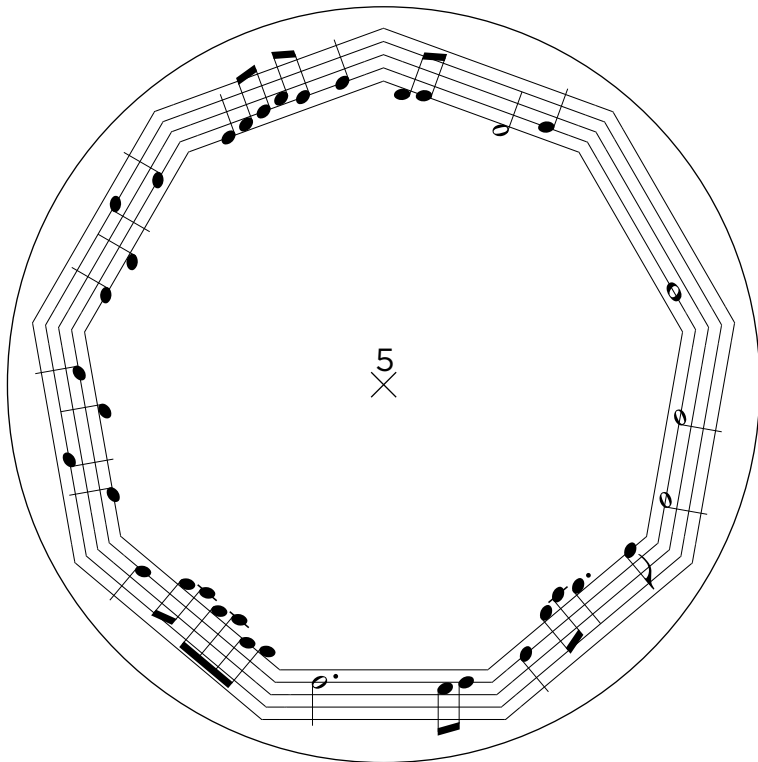
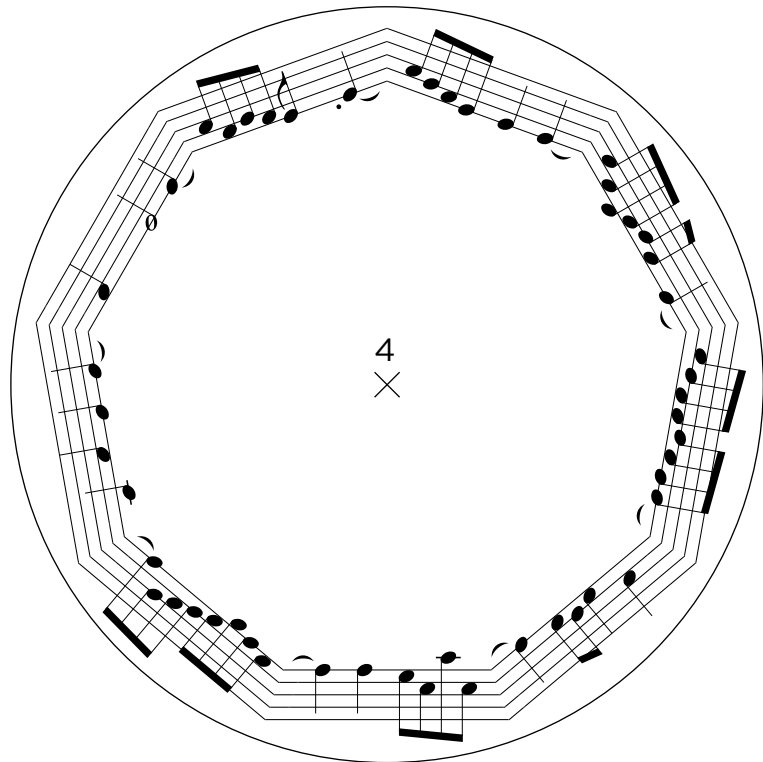
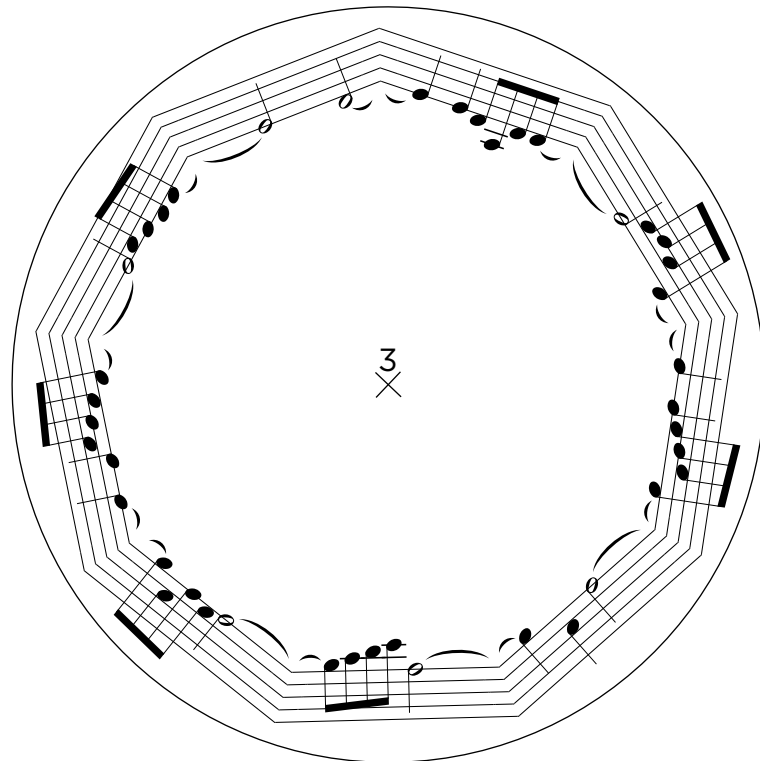
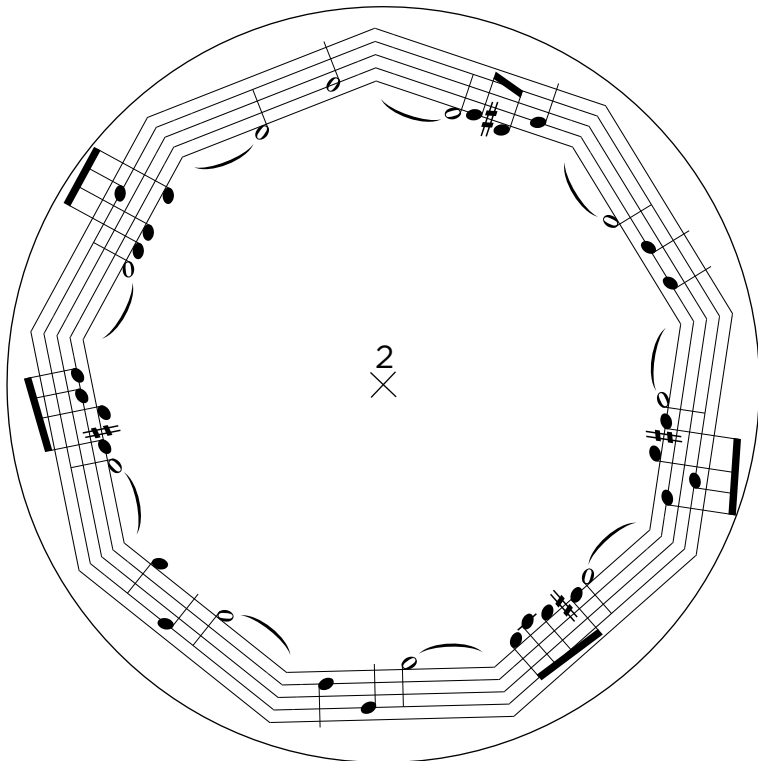
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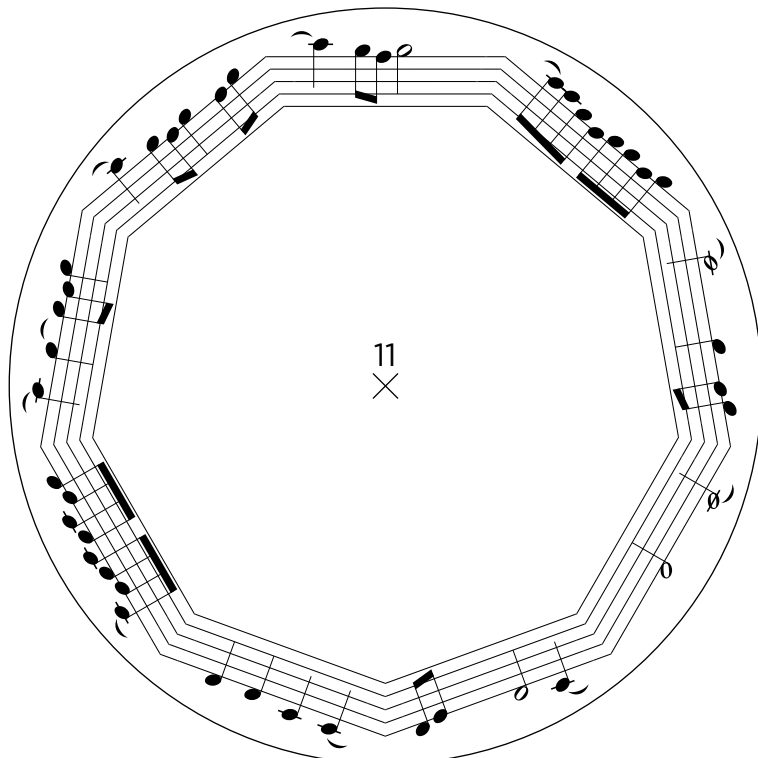
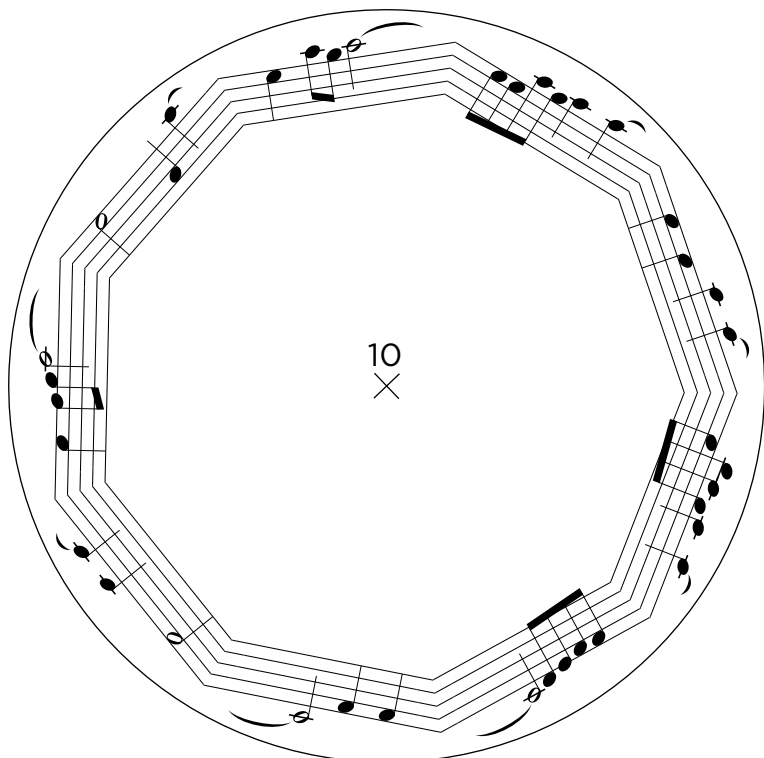
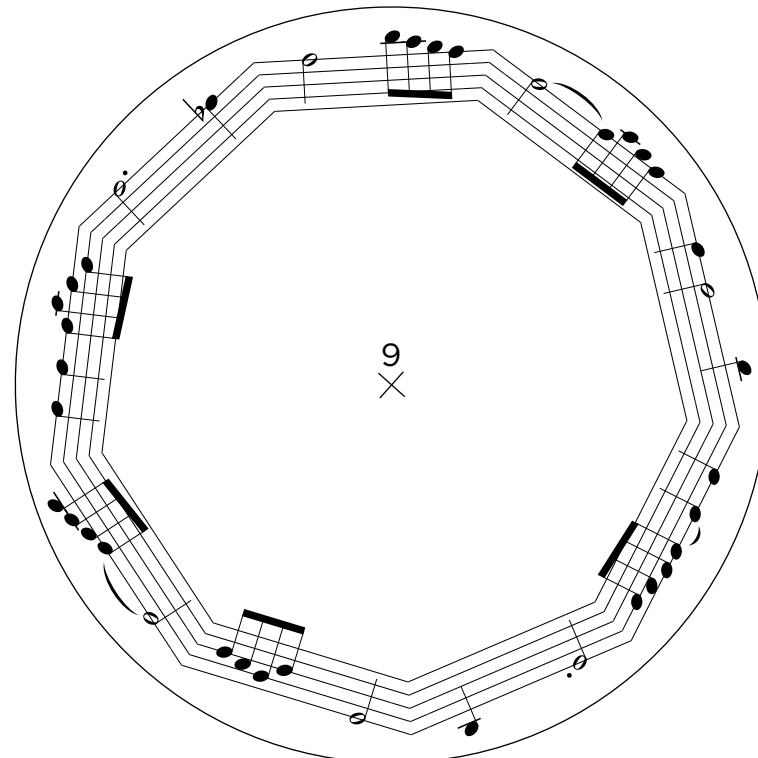
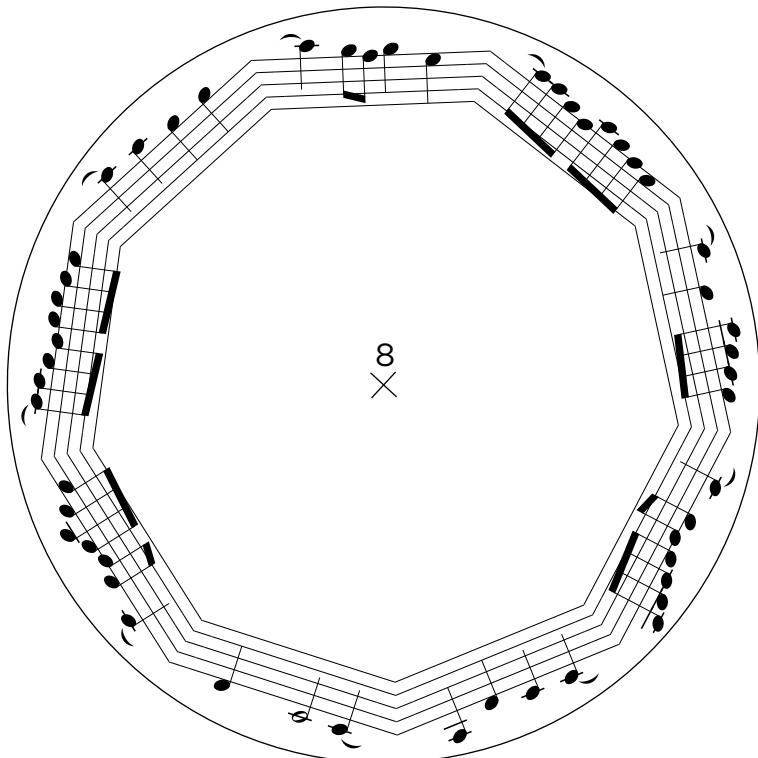
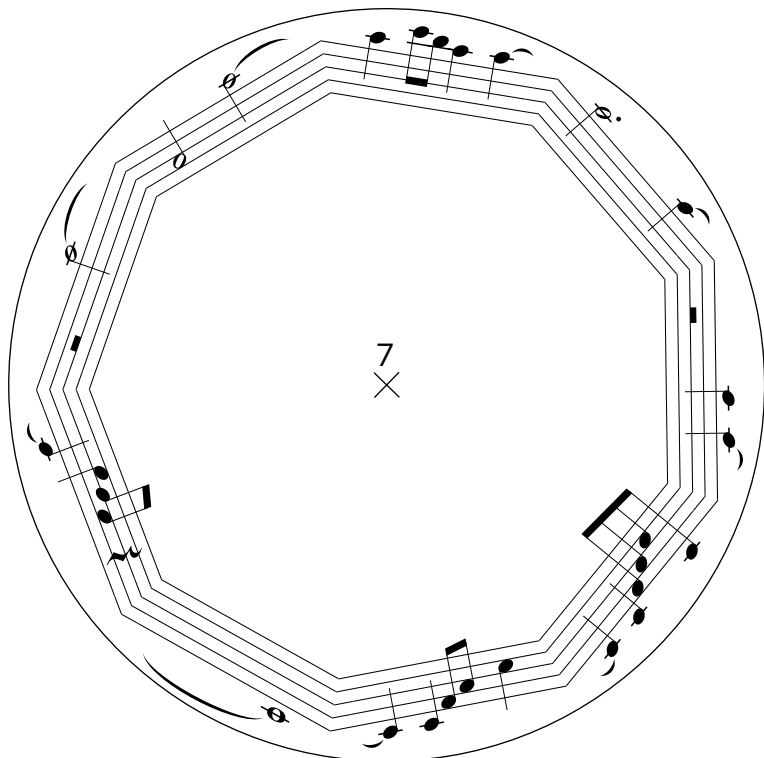
8

9

10

11





INSTRUCTIONS    *It's a good idea to read through all of the instructions before you begin.*

For this project, you'll need a printer with legal-size paper, a pair of scissors and/or razor blade, a straight edge or ruler, a pin or needle, 12 paper fasteners and a keyboard instrument.



**STEP 1.** Download the PDF from CBCMusic.ca/BachMachine and print it out. For optimal results, use good quality legal-size paper (8.5" x 14"). If that's not an option, you can scale it to fit on standard letter-size paper.

**STEP 2.** Using scissors or a blade and ruler, trim the front and back panels to size (along the solid lines as indicated) and cut out the eleven circular discs. Carefully cut out the six windows from the front panel (each marked with a dotted "X").

**STEP 3.** Fold over the top and bottom flaps of the front panel (along the dotted lines as indicated), and use a pin to pierce guide holes (through both layers of paper) at the centre of each X. Pierce holes through the Xs on the discs and back flap as well.

**STEP 4.** Using a paper fastener, pierce through the upper left X on the front panel (it's marked with a "1" on the back of the flap) and the X at the centre of disc #1. Flare out the fastener tabs to secure. Repeat this step with the other discs, in order from #2 to #11. (Note: depending on the tab width of your fasteners, you may want to use the tip of a pen to gently widen the holes in your discs to match, so they will turn more easily).

**STEP 5.** Secure the (optional) back panel, using the paper fasteners already in place from discs 1, 6 and 7, and add a fastener to the un-numbered X in the remaining corner.

**STEP 6.** Now you're ready to compose like C.P.E. Bach! Spin the discs to select any of the possible variables, lining them up in the windows of the front panel. Then find a keyboard instrument and play your brilliant two-part counterpoint.

**STEP 7.** Bravo! Post your Bach Machine photos and videos using #CPEBach300.

ICON DESIGN: Edward Boatman, Mister Pixel, José Hernandez and Naomi Atkinson from The Noun Project

BACK PANEL

CBCMusic.ca/BachMachine

**MUSIC:** Carl Philipp Emanuel Bach, *Einfall, einen doppelten Contrapunct in der Octave von sechs Tacten zu machen, ohne die Regeln davon zu wissen* (ca. 1757)

**CONCEPT:** Scott Tresham

#CPEBach300