

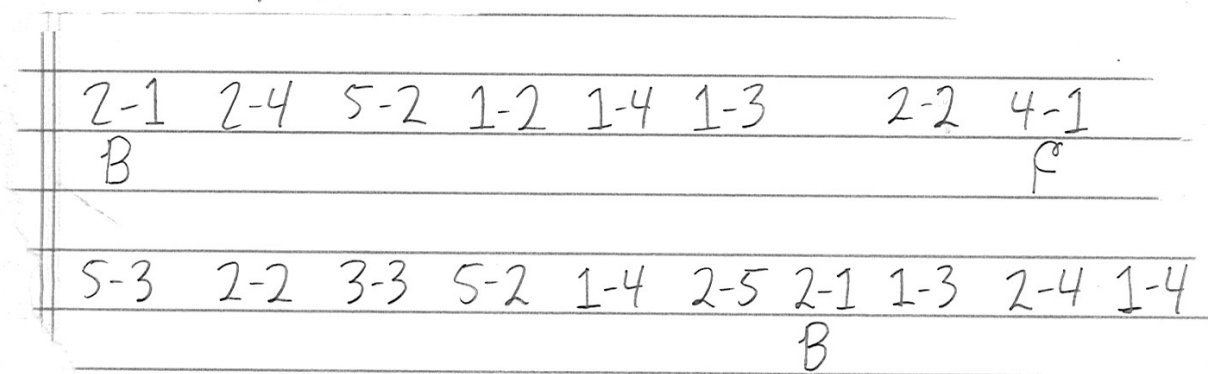


High School Challenge '16

# Getting on Top of Things HSC16 Teaser

Your friend has recently been talking about this field of math called **topology**. Something about donuts and coffee cups being the same thing? You don't know, but you tell yourself you'll look it up on Wikipedia later.

She's also into **puzzles**, so it's no surprise when she hands you three scraps of paper with a bunch of weird letters.



“Did you know topology can be useful in OCR -” (**optical character recognition**) “- techniques? Using this font, you can make five groups of five topologically equivalent letters. See, the A and the G are both drawn as a single loop with a curve sticking out.”

“Anyway, we’re looking for one more player on our school’s **MaPP High School Challenge** team. I put the location of our next team meeting in that puzzle. Figure it out and I’ll see you there!”

*Decipher your friend’s message by first filling the grid of letters so that each row has “topologically equivalent” letters and is ordered alphabetically. **Teams that turn in a correct solution to this puzzle at MaPP HSC16 registration will get a head-start on solving the opening challenge!***

Solution:
