





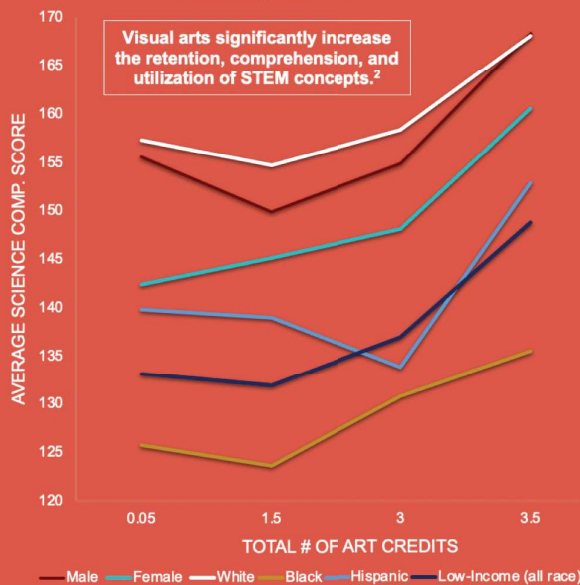
Picking Up STEAM

REINTRODUCING H.R. 3321:
 STEM TO STEAM ACT OF 2019

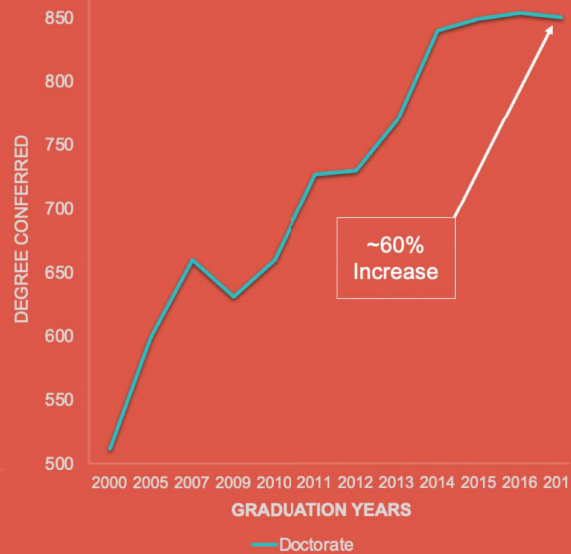
-  Proposing an amendment to H.R. 3321: R21 Grant Pilot Program
-  Introduction of NSF grants aimed at interweaving art, design, and STEM education
-  This grant pilot program will include a research component to further study the benefits of arts integration in STEM careers
-  Promotes the testing & design of art and drives creativity alongside STEM disciplines








Improvements in STEM scores among 12-Graders



Increase in Multi/Inter-Disciplinary Doctoral Degrees



Why is STEAM better than STEM?

-  Early introduction of music and visual arts cause structural changes the brain
-  ~15 months of music training significantly increases brain function
-  High school students with 4 or more years of art courses scored an average of 92 points higher on their SATs than students with <1 years of instruction
-  Creativity, originality and initiative are among the top requested skills for 2022
-  50% of opportunities in the job market cite creativity as a necessary skill, and 74% of educators say that the risk of job automation is lower in professions that require creative problem-solving skills