

Supplementary Materials

Experiment 2:

Table S1. References and volumes of food-coloring used to generate the yellow and brown visual stimuli in Experiment 2

Color	Food-Coloring References	Food-Coloring Volume (μL)			
		No Ice Cubes	4 Ice Cubes	No Ice Cubes + Turbidity (cloudy agent: Symrise Ref 357255=10 μL)	4 Ice Cubes + Turbidity (cloudy agent: Symrise Ref 357255=6.6 μL)
Yellow	E104	200	132	240	158.4
Brown	E150d	50	33	50	33

The final volume in each condition was completed to 200 mL with still water at ambient temperature. The bubbles were subsequently added using Photoshop.

Table S2. Pictures of the visual stimuli with small bubbles used in Experiment 2







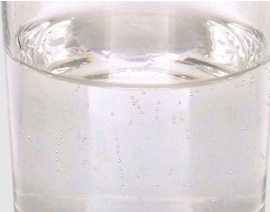





	Colorless	Yellow	Brown
Width 1			
Width 2			
Width 3			
Width 4			

Table S3. Pictures of the visual stimuli with big bubbles used in Experiment 2







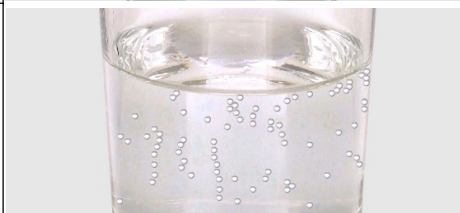


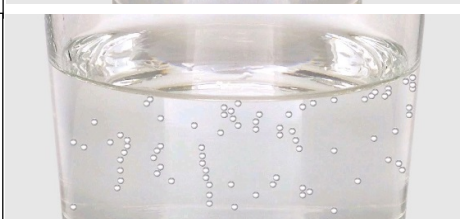

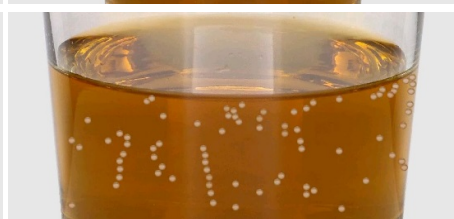
	Colorless	Yellow	Brown
Width 1			
Width 2			
Width 3			
Width 4			

Table S4. Pictures of the neutral visual stimuli used in Experiment 2

The width of the glass for all neutral visual stimuli corresponded to the width 4.

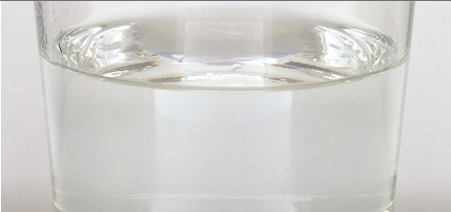
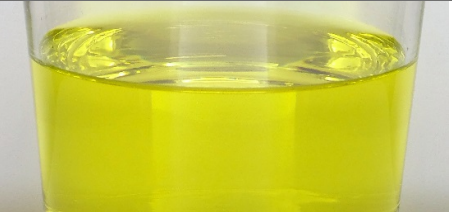

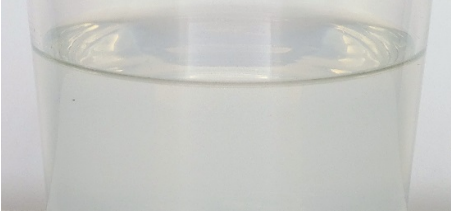



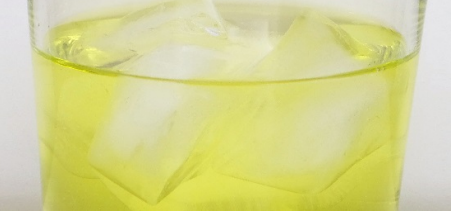




	Colorless	Yellow	Brown
No ice cubes			
Turbid			
Ice Cubes			
Ice Cubes + Turbid			

Table S5. Summary of the design for the GNAT blocks used in Experiment 2.

1	Single task (practice)	Small bubbles	Big bubbles	24
2	Single task (practice)	High-pitched	Low-pitched	24
3	Single task (practice)	Big bubbles	Small bubbles	24
4	Single task (practice)	Low-pitched	High-pitched	24
5	1 st combined task (practice)	Small bubbles+high-pitched	Big bubbles+low-pitched	24
6	1 st critical combined task	Small bubbles+high-pitched	Big bubbles+low-pitched	72
7	2 nd combined task (practice)	Small bubbles+low-pitched	Big bubbles+high-pitched	24
8	2 nd critical combined task	Small bubbles+low-pitched	Big bubbles+high-pitched	72
9	3 rd combined task (practice)	Big bubbles+high-pitched	Small bubbles+low-pitched	24
10	3 rd critical combined task	Big bubbles+high-pitched	Small bubbles+low-pitched	72
11	4 th combined task (practice)	Big bubbles+low-pitched	Small bubbles+high-pitched	24
12	4 th critical combined task	Big bubbles+low-pitched	Small bubbles+high-pitched	72

Experiment 3:



Figure S1. Pictures of the three visual stimuli used in Experiments 3a and 3b, with different bubbles' sizes.