

Table S2. Composition of the scientific creativity test

Number	Title	Problem Situation	Content	Sub-factor	Score
1	Distinguishing salt water	Scientific knowledge	Material	Flexibility	5
				Originality	3
2	Creating your constellation	Inquiry ability	Earth	Originality	3
				Sophistication	3
				Flexibility	3
3	Dream car	Imagining	Common science	Originality	3
				Sophistication	3
				Flexibility	3
4	Small ecosystem in a fishbowl	Scientific knowledge	Biology	Originality	5
				Sophistication	3
5	Change in gravity	Imagining	Earth	Originality	3
				Sophistication	3
				Flexibility	3
6	Classification of substances	Inquiry ability(classification)	Material	Originality	5
				Flexibility	3
7	Finding common ground	Making connections	Common science	Originality	5
				Flexibility	3
8	Completing the puzzle	Making connections	Common science	Flexibility	5