

Supplementary Material

Table S1. Interrater reliability statistics and percent agreement for the first group of responses for each argumentation task, all plastic responses, and all wind responses. Adjusted Cohen's Kappa was calculated according to the formula in [63] and discussed in [61,62].

<i>Responses</i>	<i>Variables</i>	<i>Percent Agreement</i>	<i>Cohen's Kappa</i>	<i>Adjusted Cohen's Kappa</i>
<i>Plastic #1-25</i>	Claim	100	1.000	1
	Reasons	88	0.733	0.76
	Counterargument	96	0.905	0.92
	Basic refutation	88	0.503	0.76
	Integrated refutation	84	0.565	0.68
<i>All plastic</i>	Claim	100	1.000	1
	Reasons	95.556	0.848	0.911
	Counterargument	84.444	0.654	0.689
	Basic refutation	87.778	0.388	0.756
	Integrated refutation	81.111	0.572	0.622
<i>Wind #1-30</i>	Claim	100	1.000	1.000
	Reasons	100	1.000	1.000
	Counterargument	93.333	0.842	0.867
	Basic refutation	100	1.000	1.000
	Integrated refutation	96.667	0.911	0.933
<i>All wind</i>	Claim	100	1.000	1.000
	Reasons	98.889	0.970	0.978
	Counterargument	93.333	0.827	0.867
	Basic refutation	92.778	0.513	0.856
	Integrated refutation	89.444	0.674	0.789
<i>Water #1-36</i>	Claim	100	1.000	1.000
	Reasons	97.222	0.936	0.944
	Counterargument	94.444	0.870	0.889
	Basic refutation	91.667	0.833	0.833
	Integrated refutation	94.444	0.889	0.889