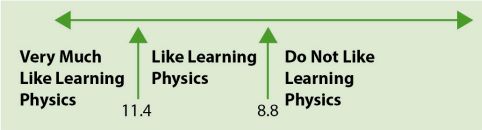
Exhibit 15.1: Items in the TIMSS Advanced 2015 *Students Like Learning Physics* Scale

How much do you agree with these statements about the physics you are studying?

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
PSBP20A	1 I enjoy conducting experiments or investigations in physics	○	○	○	○
PSBP20B	2) I get a sense of satisfaction when I solve physics problems	○	○	○	○
PSBP20C*	3) I feel bored when I do my physics schoolwork*	○	○	○	○
PSBP20D	4) I like studying for my physics class outside of school	○	○	○	○
PSBP20E	5) It is interesting to learn physics laws and principles	○	○	○	○
PSBP20F*	6) I dread my physics class*	○	○	○	○
PSBP20G	7) I am studying physics because I like to learn new things	○	○	○	○
PSBP20H	8) I enjoy figuring out challenging physics	○	○	○	○
PSBP20 I	9) Physics is one of my favorite subjects	○	○	○	○
PSBP20J	10) Jobs that require physics skills seem interesting to me	○	○	○	○
PSBP20K*	11) I wish I did not have to study physics*	○	○	○	○
PSBP20L	12) I enjoy thinking about the world in terms of laws of physics	○	○	○	○

* Reverse coded