

Using the Teamwork Expectations and Attitudes Measure (TEAM) to Assess Student Perceptions of Working in Teams

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Literature Review

There are benefits to working in teams: improved academic performance ([Gabbert et al., 2012](#); [Roseth et al., 2008](#)) and the development of trust ([Feitosa et al., 2020](#)).

Previous research on team attitudes has largely focused on selective groups (e.g., business organization; [Bosch-Sijtsema, 2007](#)).

Generalizability could be questionable, so we developed our own scale.

Methods

Two pilot studies were conducted followed by a validation study.

438 (78% Female) participants for the two Pilot studies, and **226** (87% Female) participants for the Validation.

All scales had acceptable reliability (>.70)

Convergent Validity: GAS

Criterion Validity: TSS, CL, KC, and PL

Discriminant Validity: TD and SD

Hypotheses

Hypothesis 1:
TEAM scale will have a high correlation with the GAS

Hypothesis 2:
TEAM scale will not correlate with the SD and TD

Hypothesis 3:
The Team scale will have a medium correlation with the TSS & CL and a low correlation with PL & KC

Results

Correlation between TEAM and validation measures

	Correlation
Group attitudes Scale (GAS)	.784
Team satisfaction scale (TSS)	.778
Instructional preferences scale	
Cooperative learning (CL)	.461
Knowledge construction (KC)	.184
Passive learning (PL)	.122
Teacher direction (TD)	.176
Social desirability (SD)	-.066

Items	Validation Study Factor loadings
1. I trust that my team is putting in their best effort	.82
2. My team is able to set realistic goals	.79
3. I feel that I have a fair share of the workload	.71
4. Everyone on my team does their share of the workload	.77
5. My team is able to meet their goals by the deadlines	.72
6. My team communicates respectfully with one another	.73
7. My team is working towards a common goal for our project	.83
8. I trust my team will openly communicate when issues arise	.82
9. My teammates respond well to constructive feedback	.78
10. My team is able to complete assigned tasks	.85
11. My team evenly distributes the workload	.82
12. My team resolves conflict effectively	.73
13. My contributions to the team are appreciated	.58
14. My teammates will assist each other to finish their tasks	.76



The 14-item TEAM scale demonstrated adequate validity and reliability as a measure of students' perceptions of teamwork attitudes.

The TEAM scale correlated highly with the GAS.

The TEAM scale did not correlate with SD, as expected.

There was a small correlation with TD.

The TEAM scale had a medium correlation with the TSS and CL. There was a small correlation with the PL and KC.