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rescience and Engineering Research Center SCIENCE & ENGINEERING / Allie Wood, Amber E. Witherby, & Sarah K. Tauber

Introduction

- Individuals with Autism Spectrum Disorder (ASD) tend to have difficulties with emotional and social interactions (e.g., Stone & Caro-Martinez, 1990).
- One potential reason for these difficulties may be that they have metacognitive deficits when monitoring these situations.
 - > If these individuals have deficits in metacognitive monitoring, it could have later downstream effects on their regulatory behavior and on their memory.
- A common way researchers study monitoring is by having participants make judgments of learning (JOLs).
 - > When making JOLs, participants use cues (e.g., the presence of emotion) to predict how likely they will be to remember an item on a later test.
 - Researchers have demonstrated that typically developing individuals often give higher JOLs to emotional relative to neutral images (e.g., Tauber et al., 2017)
- It is an open question as to how adolescents with ASD will monitor their learning of social and emotional information.
 - \succ Given that their deficits are often specific to emotion and social interactions, one possibility is that they will have deficits monitoring their learning of social and emotional information.
 - \succ The goal of the present research was to evaluate this possibility.

Procedure

- **Participants**: 13 adolescents with ASD and 25 typically developing adolescents Materials & Procedure:
- **1. Study**: 60 IAPS images



Neutral & Social Component



Positive & Social Component





Positive & No Social Component

These are not the actual images we used 2. After studying each, participants made a JOL:

 \succ "How likely are you to remember this image? 0% - 100%"

3. Free-recall Test

Describe all of the pictures you can remember from the list that you studied.	
	Recall List
Describe a picture you remember, then press ENTER	A couple at their wedding Ice cream Screwdriver A child reading a book
After you have described all the pictures you can remember, click the button below.	
Click	When Finished

