An investigation of gender and age differences in academic motivation and classroom behavior in adolescents

Myfanwy Bugler
University of Hull, UK

This study investigated gender and age related differences in academic motivation and classroom behavior in adolescents. Eight hundred and fifty-five students (415 girls and 440 boys) aged 11-16 (M age=13.96, SD=1.47) filled in a questionnaire that examined student academic motivation and teachers completed a questionnaire reporting student classroom behavior. Interestingly, early adolescent boys (11-12 years) self-reported academic motivation was significantly more closely associated with reports of student classroom behavior completed by teachers. However, a surprising result was the significant drop in girls adaptive motivation from early to mid-adolescence (13-14 years) and a significant increase in mid-adolescence (13-14 years). Furthermore, teachers reported a significant increase in negative classroom behavior in mid-adolescent and late adolescent girls (15-16 years). The need to further understand the association between academic motivation and classroom behavior at different stages in adolescence and to design interventions to improve classroom behavior is deliberated.

m.bugler@hull.ac.uk

Disentangling developmental stages from environmental affordances: Empirical evidence for a stress model of object permanence development

W Michael Schorow
Newcastle University, Australia

Recent models of object permanence regard the development of the object permanence complex as a necessary consequence of neural circuit maturation. The modulation of object permanence relationship development by environmental stressors has rarely been considered apart from a few instances in the early pre-Piagetian literature. Here, we considered the question: How does environmental stress modulate the onset of child developmental stages and can positive stress be harnessed to shorten systemic and neural latencies of child development? In a clinical setting, we assessed objective permanence in four age groups (6-12 months, 12-18 months, 18-24 months, 24-36 months) using the WOTSA (Waterson Objective Testing Standard Assessment) and assessed the prevalence of stressors using standard post-hoc qualitative techniques such as LASOQ. We find a strong and statistically significant (p<0.001, F=3.12, df=32) relationship between stress and WOTSA scores. We validated neural maturation using a standard EEG probe and find a positive relationship between WOTSA and EEG correlated coherence. We interpret our findings in terms of Misher’s model and consider social, environmental and parental implications.

schorowm@gmail.com