**Supplemental Materials**

**S1. Child’s positive emotion expressions predicting emotion-related behavior**

The models were specified by the following equations:

Level 1:

Level 2:

where , is the observed gaze aversion, self-soothing, fidgeting, or non-emotional language at epoch *t* for person *i*, is a person-specific intercept, and is a person-specific lagged association between *State PEi* at epoch *t-1* and emotion-related behavior at epoch *t*. is the expected level of emotion-related behavior for a child who is MA and whose *Mean PEi* and executive function score (attention shifting or inhibitory control) was 0, is the between-person association between the *Mean PEi* and emotion-related behavior, is the between-person association between culture and emotion-related behavior, is the between-person association between executive function and emotion-related behavior, is the between-person association between child sex and emotion-related behavior, is the within-person lagged association between *State PEi* at epoch *t-1* and emotion-related behavior at epoch *t*, and is the individual-level residual deviation.

**S2. Child’s negative emotion expressions predicting emotion-related behavior**

The models were specified by the following equations:

Level 1:

Level 2:

where , is the observed gaze aversion, self-soothing, fidgeting, or non-emotional language at epoch *t* for person *i*, is a person-specific intercept, and is a person-specific lagged association between *State NEi* at epoch *t-1* and emotion-related behavior at epoch *t*. is the expected level of emotion-related behavior for a child who is MA and whose *Mean NEi* and executive function score (attention shifting or inhibitory control) was 0, is the between-person association between the *Mean NEi* and emotion-related behavior, is the between-person association between culture and emotion-related behavior, is the between-person association between executive function and emotion-related behavior, is the between-person association between child sex and emotion-related behavior, is the within-person lagged association between *State NEi* at epoch *t-1* and emotion-related behavior at epoch *t*, and is the individual-level residual deviation.