

Classroom Environment Can Strengthen or Weaken Student's Inner Motivational Resources

All students possess inherent [psychological needs](#) and internalized motivational resources that energize them to engage in classroom learning activities proactively as an expression of self and to interact effectively in the classroom environment (Deci & Ryan, 1985, 1991; Ryan & Deci, 2000, 2002). When the classroom environment, including teacher's motivating style, is [autonomy-supportive](#), it would strengthen the expression of students' inner motivation, thereby developing students' growth fostering behaviors to internalize values, goals, and requirements etc. of the school. On the other hand, a [controlling](#) classroom environment weakens the students' autonomous motivation, thereby producing in the student less autonomous forms of [extrinsic motivation](#) such as, [introjected regulation](#) and [external regulation](#), [amotivation](#) and behavioral problems.

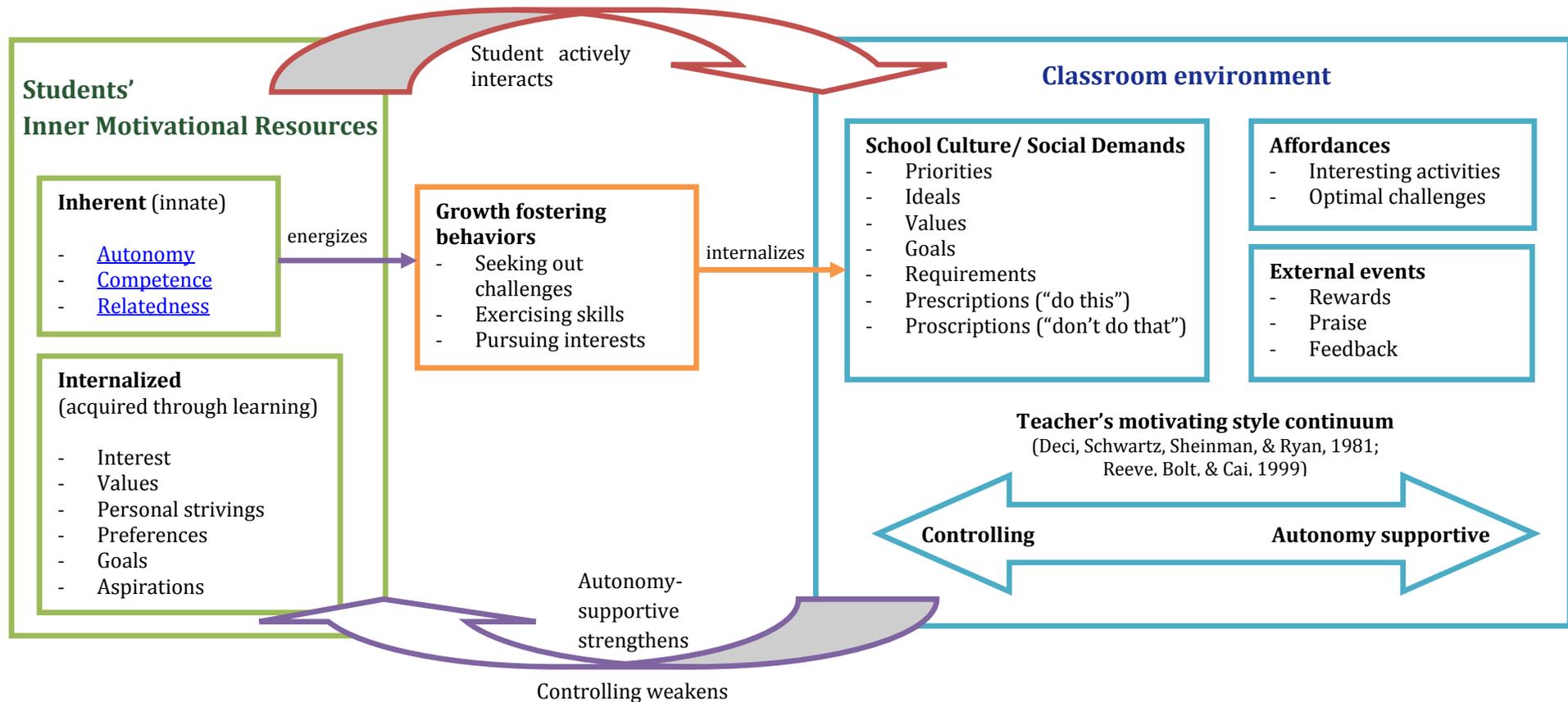


Fig. 1 Adapted from the dialectic framework within self-determination theory (Reeve, 2006).

Key definitions:

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Amotivation	Refers to a perception that no worthwhile reasons for pursuing an activity exist and hence a complete absence of self-determination (Ryan & Deci, 2002).
Autonomy	"A sense of being choiceful in one's actions and experiencing oneself as the locus of initiation of those actions" (Connell & Ryan, 1987; deCharms, 1976; Deci & Ryan, 1985; White, 1959).
Autonomy-supportive	Environments that minimize the salience of external incentives and threats, avoid controlling language, and acknowledge the learners' frame of reference (Black & Deci, 2000; Ryan & Connell, 1989). Autonomy-supportive teaching involves behaviors that seek to promote students' tendency to engage in learning because they value this activity or find it interesting (Roth, Assor, Kanat-Maymon, & Kaplan, 2007).
Competence	Experiencing one-self as capable and competent in controlling the environment of the activity. The need for competence (Deci & Ryan, 1985; Elliot & Thrash, 2002; Koestner & McClelland, 1990) is the need to experience satisfaction in exercising and extending one's capabilities. Naturally, people seem to seek out challenges that are optimal for their level of development (Harter, 1978; White, 1959).
Controlling	Events that pressure people toward specified outcomes, thereby denying them the experience of choice (Deci & Ryan, 1980). Presence of salient external controls or incentives.
External Regulation	Doing an activity because of external pressures or incentives (Ryan & Deci, 2002). E.g. "I study because my parents force me to."
Extrinsic motivation	Behaviors engaged as a means to an end and not for their own sake (Deci, 1975). Four types of extrinsic motivation are ordered along a self-determination continuum (Deci and Ryan, 1985, 1991). From lower to higher levels of self-determination, they are: external regulation, introjections, identification and integration.
Introjected regulation	Involves taking in a contingency or value or regulation but not accepting them as their own (e.g. planning to attend college to avoid feelings of guilt). Controlled motivation accompanied by feelings of inner compulsion, based on self-esteem being contingent upon approval and worth that had previously been applied by others (Niemic et al., 2006; Roth, Assor, Niemic, Ryan, & Deci, 2009).
Psychological needs	People's innate needs for autonomy, competence, and relatedness. For a high level of intrinsic motivation people must experience satisfaction of these needs (Deci & Ryan, 2000).
Relatedness	Feeling connected with significant others; experiencing authentic relatedness from others and to experience satisfaction in participation and involvement with the social world, e.g. with class mates during a PE lesson.

References:

- Black, A. E., & Deci, E. L. (2000). The effects of instructors' autonomy support and students' autonomous motivation on learning organic chemistry: A self-determination theory perspective. *Science Education*, 84(740-756).
- Connell, J. P., & Ryan, R. M. (1987). *Self-Regulatory Style Questionnaire: A measure of external introjected, identified, and intrinsic reasons for initiating behaviour*. : Manual, University of Rochester.
- deCharms, R. (1976). *Enhancing motivation: Change in the classroom*. . New York: Irvington.
- Deci, E. L. (1975). *Intrinsic Motivation*. New York: Plenum Press.
- Deci, E. L., & Ryan, R. M. (1980). The empirical exploration of intrinsic motivational processes. In L. Berkowitz (Ed.), *Advances in experimental social psychology* (Vol. 13). New York: Academic Press.
- Deci, E. L., & Ryan, R. M. (1985). *Intrinsic motivation and self-determination in human behaviour*. New York: Plenum Press.
- Deci, E. L., & Ryan, R. M. (1991). A motivational approach to self: Intergration in personality. In R. Dienstbier (Ed.), *Nebraska symposium on motivation: Perspectives on motivation*. (Vol. 38, pp. 237-288). Lincoln: University of Nebraska Press.
- Deci, E. L., & Ryan, R. M. (2000). The "what" and "why" of goal pursuits: Human needs and the self-determination of behavior. *Psychological Inquiry*, 11, 227-268.
- Deci, E. L., Schwartz, A., Sheinman, L., & Ryan, R. M. (1981). An instrument to assess adults' orientations toward control versus autonomy in children: Reflections on intrinsic motivation and perceived competence. *Journal of Educational Psychology*, 73, 642-650.
- Elliot, A. J., & Thrash, T. M. (2002). Approach-avoidance motivation in personality: Approach and avoidance temperaments and goals. *Journal of Personality and Social Psychology*, 82, 804-818.
- Harter, S. (1978). Efficance motivation reconsidered: Toward a developmental model. *Human Development*, 1, 661-669.
- Koestner, R., & McClelland, D. C. (1990). Perspectives on competence motivation. In L. A. Pervin (Ed.), *Handbook of personality: Theory and research* (pp. 527-548). New York: Guilford Press.
- Niemic, C. P., Lynch, M. F., Vansteenkiste, M., Bernstein, J., Deci, E. L., & Ryan, R. M. (2006). The antecedents and consequences of autonomous self-regulation for college: A self-determination theory perspective on socialization. *Journal of Adolescence*, 29, 761-775.
- Reeve, J. (2006). Teachers as facilitators: What autonomy- supportive teachers do and why their students benefit. *The Elementary School Journal*, 106(3), 225-236.
- Reeve, J., Bolt, E., & Cai, Y. (1999). Autonomy-supportive teachers: How they teach and motivate students. *Journal of Educational Psychology*, 91, 537-548.
- Roth, G., Assor, A., Kanat-Maymon, Y., & Kaplan, H. (2007). Autonomous motivation for teaching: How self-determined teaching may lead to self-determined learning. *Journal of Educational Psychology*, 99, 761-774.
- Roth, G., Assor, A., Niemic, C. P., Ryan, R. M., & Deci, E. L. (2009). The emotional and academic consequences of parental conditional regard: Comparing conditional positive regard, conditional negative regard, and autonomy support as parenting practices. *Developmental Psychology*, 45, 1119-1142.
- Ryan, R. M., & Connell, J. P. (1989). Perceived locus of causality and internalization: Examining reasons for acting in two domains. *Journal of Personality and Social Psychology*, 57, 749-761.
- Ryan, R. M., & Deci, E. L. (2000). Self-determination theory and the facilitation of intrinsic motivation, social development, and well-being. *American Psychologist*, 55, 68-78.
- Ryan, R. M., & Deci, E. L. (2002). An overview of self-determination theory: An organismic dialectical perspective. In E. L. Deci & R. M. Ryan (Eds.), *Handbook of self-determination research* (pp. 3-33). Rochester, NY: University of Rochester.
- White, R. W. (1959). Motivation reconsidered: The concept of competence. *Psychological Review*, 66, 297-333.