

Outline – Intrinsic & extrinsic motivation

- Intrinsic & extrinsic motivations
- External regulation of motivation
- Hidden costs of rewards
- Cognitive evaluation theory
- Types of extrinsic motivation
- Motivating others to do uninteresting activities
- Building interest

Based on Reeve (2009, pp. 142-143)

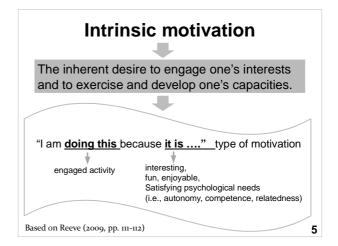
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Overview

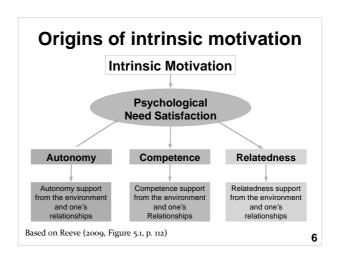


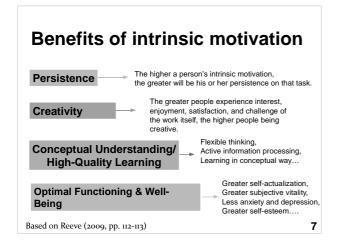
- 1. Intrinsic-extrinsic motivation
- 2. Goal setting

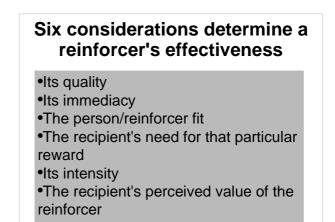






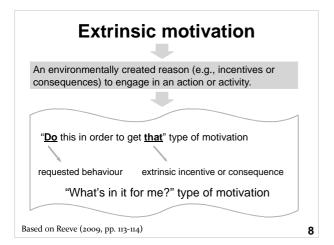


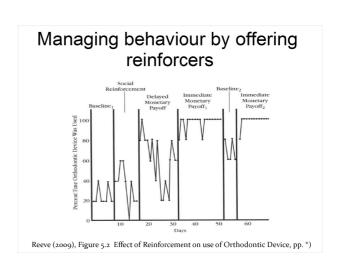


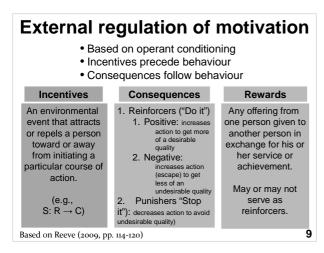


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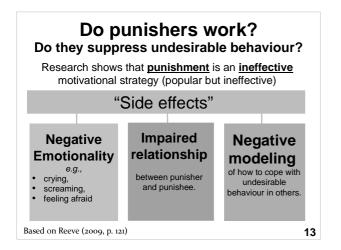
Based on Reeve (2009, pp. 114-120)

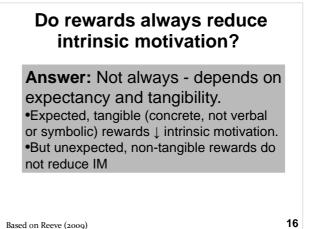


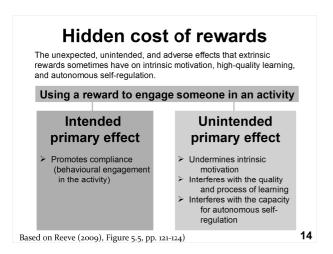




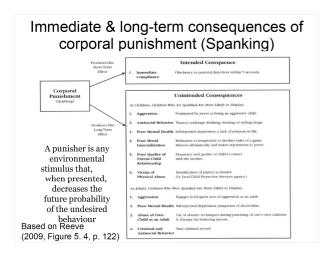
















- Provides a way for predicting the effects that any extrinsic event will have on motivation.
- Explains how an extrinsic event (e.g., money, grade, deadline) affects intrinsic and extrinsic motivations, as mediated by the event's effect on the psychological needs for competence and autonomy

All external events have two functions: Control behaviour

Inform competence

Which function is more salient determines how the external event will affect intrinsic and extrinsic motivation

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Based on Reeve (2009, pp. 128-129)

Self-determination continuum showing types of motivation Behavior Nonself-Determined Based on Reeve (2009, Figure 5.6, p. 132) Motivation Amotivation Internal Perceived Locus of Causality Self-Control Congruence, Ego-Involvement, Internal Rewards and Punishments Importance, Conscious Enjoyment. Synthesis

Cognitive evaluation theory

External events affect a person's intrinsic motivation when they influence the perceived locus of causality (PLOC) for that behavior. Events that promote a more external PLOC will decrease intrinsic and increase extrinsic motivation, whereas those that promote a more internal PLOC will increase intrinsic and decrease extrinsic motivation.

Proposition 2

External events affect a person's intrinsic motivation for an optimally challenging activity when they influence the person's perceived competence. Events that promote greater perceived competence will enhance intrinsic motivation, whereas those that diminish perceived competence will decrease intrinsic motivation.

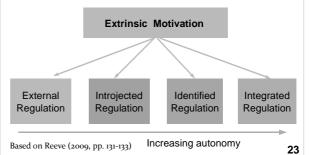
Proposition 3

Proposition 3
Events relevant to the initiation and regulation of behavior have three potential aspects, each with a functional significance. The informational aspect facilitates an internal PLOC and perceived competence, thus enhancing intrinsic motivation. The controlling aspect facilitates an external PLOC, thus undermining intrinsic motivation and promoting extrinsic motivation. The amotivating aspect facilitates perceived incompetence, thus undermining intrinsic motivation and promoting amotivation. The relative salience of these three aspects to a person determines the functional significance of the external event.

Based on Reeve (2009, Table 5.1, p. 129)

Types of extrinsic motivation

Self-Ddetermination Theory posits that different types of motivation can be organised along a continuum of self-determination or perceived locus of causality.



Cognitive evaluation theory

Any External Event (Rewards)

Controlling Function

"If you do X, then you get Y."

- · Decreases intrinsic motivation
- · Interferes with quality of learning
- External regulation increases
- Self-regulation undermined

Informational Function

were able to do X. that means you are effective, competent.

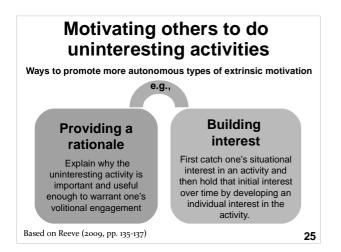
- Increases intrinsic motivation
- Enhances high-quality learning
- Enhances self-regulation

Based on Reeve (2009, pp. 129-130) 21

Types of extrinsic motivation

Four Types of Extrinsic Motivation, Illustrated by Different Reasons of "Why I Recycle"

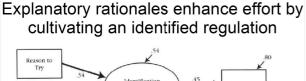
Type of Extrinsic Motivation	External Contingency At Stake	The reason I recycle is	Illustrative Quotation
External Regulation	Incentives, consequences	"to get a consequence."	"I recycle to make 5 cents on each can."
Introjected Regulation	Avoid guilt, boost self-esteem	"because I should."	"I recycle because I ought to, if I am going to feel good (rather than guilty) about myself."
Identified Regulation	Valuing, sense of importance	"because it is important."	"I recycle because it is important for a cleaner environment."
Integrated Regulation Based on Reeve (2:	Value congruence 009, Table 5.2, p. 133	"because it reflects my values."	"I recycle because it reflects and expresses who I am and what I believe."



I-E motivation summary Intrinsic (internal) & extrinsic (external) motivations External regulation of motivation — Consequences Rewards Hidden costs of rewards Cognitive evaluation theory Types of extrinsic motivation Motivating others to do uninteresting activities Building interest in a particular domain

Based on Reeve (2009, pp. 142-143)

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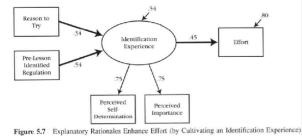
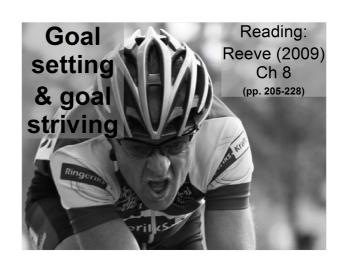
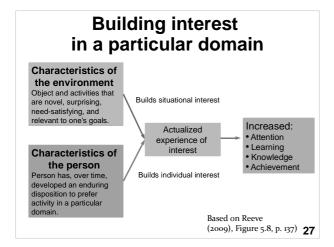


Figure 5.7 Explanatory Rationales Enhance Effort (by Cultivating an Identification Experienc Source: From "Providing a Rationale in an Autonomy-Supportive Way as a Strategy to Motivate Others During an Uninteresting Activity," by J. Reeve, H. Jang, P. Hardre, & M. Omura, 2002, Motivation and Emotion, 26, 183–207. Copyright 2002, Plenum Press.

Based on Reeve (2009, Figure 5.7, p. 136)





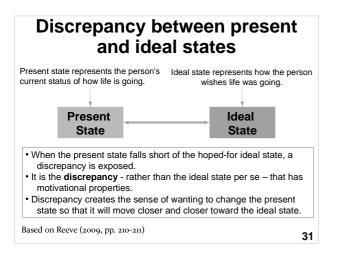
Outline – Goal setting & goal striving

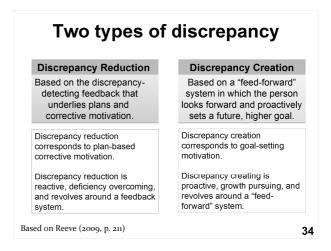
- Plans
 - Discrepancy
 - Plan-action sequence
 - Corrective motivation
 - Two types of discrepancy
- Goal Setting
 - Goal-performance discrepancy
 - Difficult, specific goals enhance performance
 - Feedback
 - Goal acceptance
 - Criticisms
 - Long-term goal setting

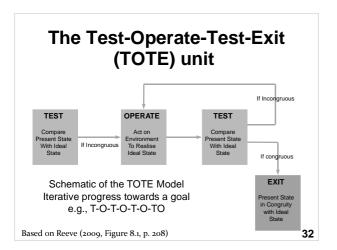
- Goal Striving
 - Mental simulations: Focusing on action
 - Implementation intentions
 - Goal pursuit: Getting started
 - Goal pursuit: Persisting and finishing
- Putting it all together: Creating an effective goalsetting program

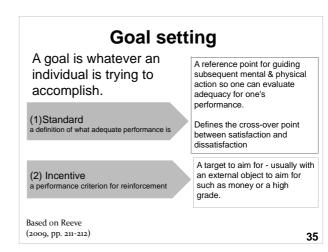
Based on Reeve (2009, pp. 205)

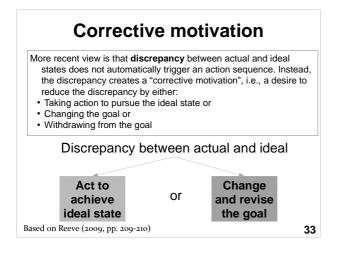
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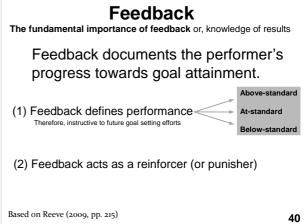


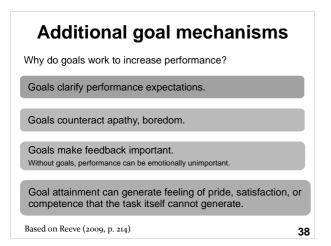


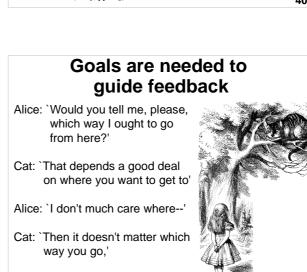




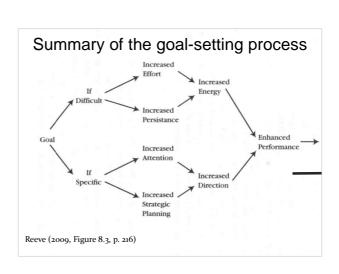


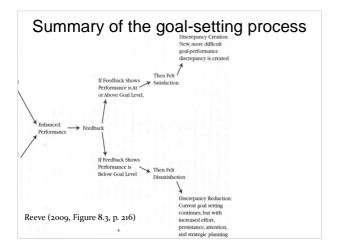






Should I tell people about my goals? Derek Sivers: Keep your goals to yourself: http://www.ted.com/talks/lang/eng/derek_sivers_keep_your_goals_to_yourself.html Common wisdom has that sharing goals helps you achieve them because it creates social expectation. However, when you tell someone your goal, and they acknowledge, the mind if tricked into feeling that it's already done. and then you're less motivated to do the actual hard work. Therefore, if you're going to tell someone your goals, make sure to do so in such a way that you derive no satisfaction from doing so. Based on Reeve (2009, p. 214)





Mean effect-sizes from over 500 meta-analyses of various influences of achievement

Influence	No. of effects	Effect-Size
Feedback	139	1.13
Students' prior cognitive ability	896	1.04
Instructional quality	22	1.00
Instructional quantity	80	.84
Direct instruction	253	.82
Acceleration	162	.72
Home factors	728	.67
Remediation/feedback	146	.65
Students disposition to learn	93	.61
Class environment	921	.56
Challenge of Goals	2703	.52
Bilingual programs	285	.51
Peer tutoring	125	.50
Mastery learning	104	.50
Teacher in-service education	3912	.49
Parent involvement	339	.46
Homework	110	.43
Questioning	134	.41
OVERALL EFFECTS	500.000+	.40

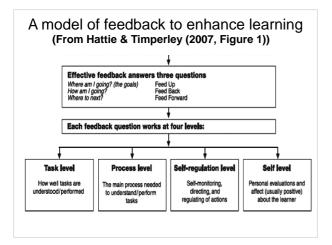
A model of feedback to enhance learning (From Hattie & Timperley (2007, Figure 1)) Purpose To reduce discrepancies between current understandings/performance and a desired goal The discrepancy can be reduced by: Students Increased effort and employment of more effective strategies OR Abandoning, blurring, or lowering the goals Teachers Providing appropriate challenging and specific goals Assisting students to reach them through effective learning strategies and feedback Effective feedback answers three questions Where am I going? (the goals) How am I going? Feed Back Feed Foorward

Feedback to enhance learning

Hattie & Timperley (2007)

- Feedback is the single most important predictor of achievement
- Feedback alone is not sufficient effective instruction is also needed
- Feedback is powerful but it can be helpful or harmful

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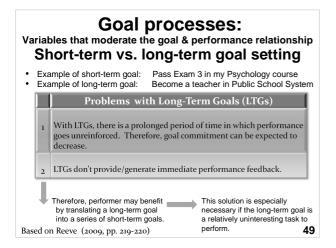
Goal processes:

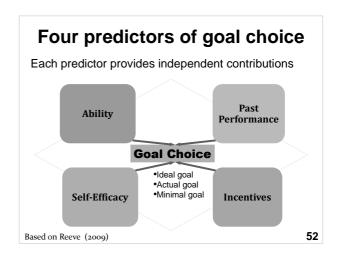
Variables that moderate the goal & performance relationship Goal acceptance (vs. Goal rejection)

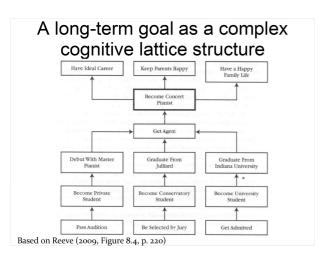
4 factors

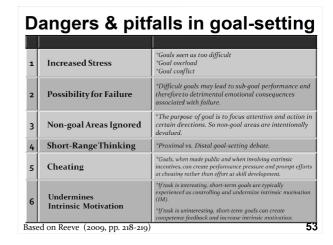
- Perceived difficulty of the imposed goal
 - There is an inverse relationship between goal difficulty and goal commitment
- Participation in the goal setting process
 - A negotiated goal with flexibility and give-and-take facilitates participation and internalisation of the goal
- Credibility of person assigning the goal
- Extrinsic incentives

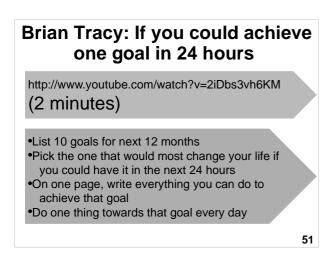
Based on Reeve (2009, pp. 217-220) 48

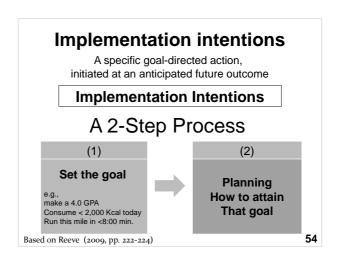


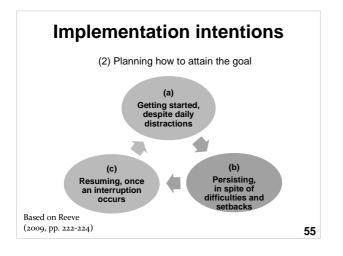












Next lecture



Personal control beliefs (Ch 9)

The self & its strivings (Ch 10)

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References

- Hattie, J., & Timperley, H. (2007). The power of feedback. *Review of Educational Research*, 77(1), 81-112.
- Reeve, J. (2009). *Understanding motivation and emotion* (5th ed.). Hoboken, NJ: Wiley.

Note: Image credits are in the slide notes

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Goal-setting summary

- Plans
 - Corrective motivation
 - Discrepancy
 - Two types of discrepancy
- Goal Setting
 - Goal-performance discrepancy
 - Difficult, specific goals enhance performance
 - Feedback
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- Goal Striving
 - Mental simulations: Focusing on action
 - Implementation intentions
 - Goal pursuit: Getting started
 - Goal pursuit: Persisting and finishing
- Putting it all together: Creating an effective goalsetting program

Based on Reeve (2009, pp. 205)

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