

Intrinsic motivation

The inherent desire to engage one's interests

and to exercise and develop one's capacities.

"I am doing this because it is ..." type of motivation

interesting,

fun, eniovable.

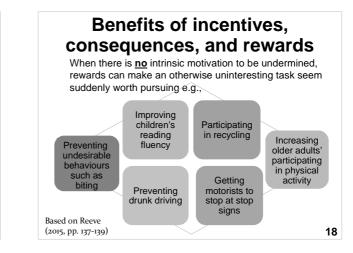
satisfying psychological needs

(i.e., autonomy, competence, relatedness)

15

engaged activity

Based on Reeve (2015, pp. 130-131)



The higher a person's intrinsic motivation,

the greater the person's persistence on that task.

enjoyment, satisfaction, and challenge of the work itself, the more creative they are,

Flexible thinking.

Active information processing,

Greater self-actualisation,

Greater subjective vitality.

Greater self-esteem

Less anxiety and depression

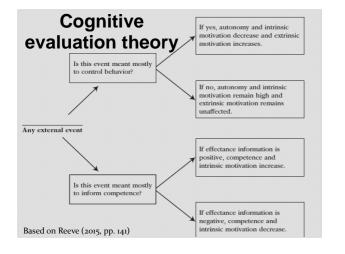
17

Learning in conceptual way

The more people experience interest

Reasons not to use extrinsic motivation (even for uninteresting endeavors)	What makes us feel good about our work? Dan Ariely
Extrinsic motivators undermine the quality of performance and interfere with the process of learning.	TED Talk (20 mins) Start at 8: http://www.youtube.com/watch?feature=player_detailpage&v=5aH2Ppjpcho##
<b>Using rewards</b> distracts attention away from asking the hard question of why a person is being asked to do an uninteresting task in the first place.	
There are better ways to encourage participation than extrinsic bribery.	
Extrinsic motivators still undermine the individual's long-term capacity for autonomous self-regulation.	
ased on Reeve (2015, p. 138) 19	<ul> <li>(i) 1028/2027</li> <li>(ii) 1028/2027</li> </ul>

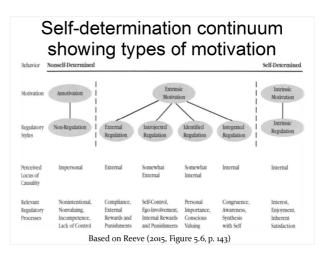




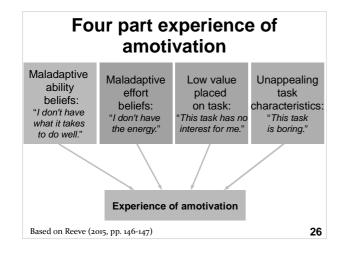


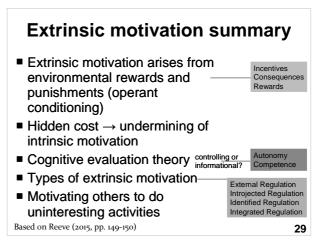
at 9:54

22



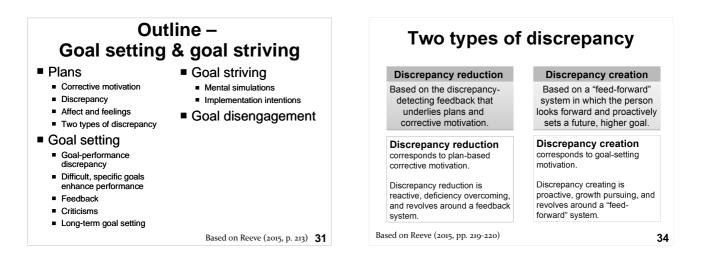
Types of extrinsic motivation Four Types of Extrinsic Motivation, Example: <b>"Why I Recycle</b> "			ation,	Building interest in a particular domain	
Type of Extrinsic Motivation	External Contingency At Stake	The reason I recycle is	Illustrative Quotation	Characteristics of the environment Object and activities that Builds situational intere	est
External Regulation	Incentives, consequences	"to get a consequence."	"I recycle to make 5 cents on each can."	are novel, surprising, need-satisfying, and	
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."	Actualised experience of	<ul> <li>Increased</li> <li>Attention</li> <li>Learning</li> </ul>
Identified Regulation	Valuing, sense of importance	"because it is important."	"I recycle because it is important for a cleaner environment."	Characteristics of the person Person develops an	Knowledge     Achieveme
Integrated Regulation	Value congruence	"because it reflects my values."	"I recycle because it reflects and expresses who I am and what I believe."	enduring disposition to prefer activity in a particular domain.	est
Based on Reeve (2015, Table 5.1, p. 144)				Based on Reeve (24	.015), pp. 147-149

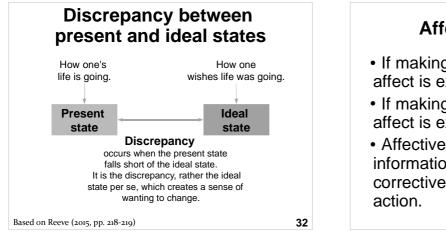












Test

Compare resent state th ideal state

The TOTE unit

The cognitive mechanism by which plans energise and

direct behaviour towards an "ideal state".

Operate

Act on

to realise ideal state

ngruo

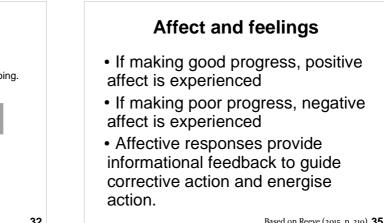
Based on Reeve (2015, Figure 8.1, p. 216)

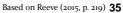
TOTE model: Iterative progress towards a goal

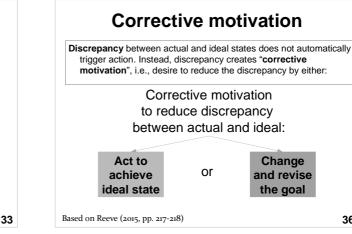
i.e., T-O-T-O-T-O-TO

Test

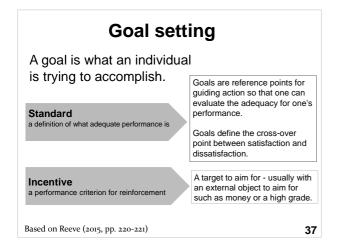
present state







36





Additional goal mechanisms
Why do goals work to increase performance?

. .

Clarify performance expectations.

Counteract apathy, boredom.

Make feedback important. Without goals, performance can be emotionally unimportant

Attainment can generate feelings of pride, satisfaction, or competence that the task itself cannot generate.

39

Based on Reeve (2009, p. 214)

## Should I make my goals public?

Common wisdom is that sharing goals helps people to achieve them because it creates social expectation.

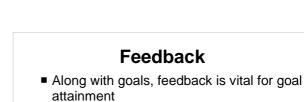
However, when you tell someone your goal, the mind is tricked into feeling that it's already done. and then you're less motivated to do the actual hard work.

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.

Derek Sivers: Keep your goals to yourself (3:15 mins): http://www.ted.com/talks/derek\_sivers\_keep\_your\_goals\_to\_yourself

40

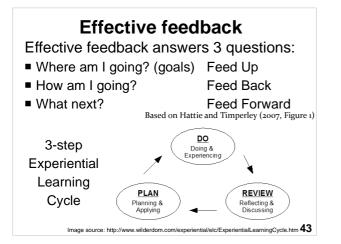
41



- Provides knowledge of results and documents the performer's progress
- Defines performance against a standard
  - Above standard
  - At standard
  - Below standard
- Acts as a reinforcer or punisher
- Instructive to future goal setting efforts

Based on Reeve (2015, p. 225)

Effect-sizes from 500+ meta-analyses of various influences of school 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	S 500,000+ .40				



Feedback to enhance learning Hattie & Timperley (2007)

important predictor of achievement

But feedback alone is not sufficient

Feedback is powerful – but it can

Feedback is the single most

- effective instruction is also

be helpful or harmful

needed

## Long-term goal setting

- For uninteresting tasks, short-term goals help to make them more interesting by creating extrinsic motivation.
- For interesting tasks, only long-term goals enhance intrinsic motivation.
   Short-term goals can be experiences as controlling distractions (undermining autonomy).

Based on Reeve (2015, pp. 225,227)

46

### Problems with long-term goal setting

- Lack of immediate performance feedback
  Prolonged unreinforced performance
  - Goal commitment is likely to decrease (especially if the LTG is uninteresting)

#### Solution

Translate LTG into a series of short-term goals

LTG e.g.,: Become a psychologist
STG e.g.,: Pass Exam X

Based on Reeve (2015, pp. 227-228)

47

## Criticisms of goal setting

Goal setting has advantages, but pitfalls include that:

- Goal setting works best when tasks are relatively uninteresting and straightforward
- Goal conflict, overload, and stress
- Undermining of intrinsic motivation

Based on Reeve (2015, pp. 225,227)

45

44

# **Goal striving**

Goal striving (effort, persistence, attention, strategic planning) is needed to translate goal setting into performance and goal attainment.

- Mental stimulation: Focus on visualising processes and actions required for success (rather than imagining what it would feel like to achieve the goal).
- Implementation intentions: Advanced planning for when, where, and how goal striving will be actioned. Addresses self-regulation requirements for:
  - Getting startedStaying on track
- If ... then
- Resuming after interruption

Based on Reeve (2015, pp. 228-234) 48

## **Goal disengagement**

- Goal disengagement is knowing when to stop and abandon a goal (e.g,. if it is unattainable or a more important, incompatible goal is adopted).
- Ill-advised goal striving can make the goal striver vulnerable to failure feedback and psychological distress.
- "When one door closes, another door opens; but we so often look so long and regretfully upon the closed door, that we do not see the ones which open for us". - Alexander Bell

Based on Reeve (2015, p. 235-236) 49

### 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: Detailed image credits are in the slide notes

52

#### Summary

- 1. Ideal-actual discrepancies creates cognitive motivation  $\rightarrow$  plan of action to remove discrepancy (corrective motivation).
- 2. Goals that are specific, difficult, and self-congruent generally improve performance.
- Feedback provides information about performance which generates negative or positive emotional motivational states accordingly.
- 4. Short-term goals provide rich feedback; long-term goals foster intrinsic motivation.
- 5. Implementation intentions help focus, start, continue, and resume: If (situational cue)  $\rightarrow$  Then (goal striving action)
- 6. Goal disengagement is reduction or cessation of effort in the face of unattainable goals. Adaptive when it frees up resources to allocate to a different goal.

50

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- http://www.openoffice.org/product/impress.html



53

