

Breaking the Rules of Game

Design: when to go against Autonomy,

Competence, and Relatedness

Kaitlyn Burnell

Programmer, Naughty Dog (ideas for this talk developed at CCP)

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Spoiler Warning



Glossary

Autonomy



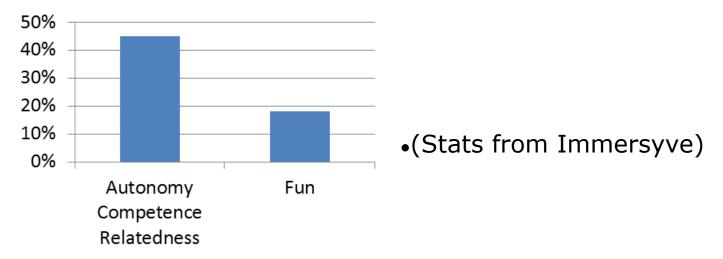
Competence



Why These

• Autonomy, Competence, Relatedness

MMO Retention at 9 months



Education

Effective everywhere

TRE

Autonomy, competence, and relatedness in the classroom

Applying self-determination theory to educational practice

CHRISTOPHER P. NIEMIEC AND

RICHARD M. RYAN University of Rochester, New York, USA

ABSTRACT

Self-determination theory (SDT) assumes that inherent in human nature is the propensity to be curious about one's environment and interested in learning and developing one's knowledge. All too often, however, educators introduce external controls into learning climates, which can undermine the sense of relatedness between teachers and students, and stille the natural, volitional processes involved in high-quality learning. This article presents an overview of SDT and reviews its applications to educational practice. A large corpus of empirical evidence based



European Journal of Sport Science, vol. 1, issue 4 ©2001 by Human Kinetics Publishers and the European College of Sport Science

> The Effect of Coach's Task- and Ego-Involving Climate on the Changes in Perceived Competence, Relatedness, and Autonomy Among Girl Handballers

Philippe Sarrazin, Emma Guillet, and François Cury

Adolescents, especially females, have been identified as a group at risk of poor health due to their declining level of physical activity. To prevent sporting attrition, several researchers highlighted the importance of the fit between the motivational context provided by the coach and the socio-emotional needs brought by adolescents. This study concerns the role of the coach's task- and ego-involving climate on the changes in 3 fundamental perceptions underlined by the self-determination theory (8): perceived competence, autonomy, and relatedness. Contrary to the cross-sectional nature of the former studies, this one used longitudinal survey data from 236 French girl handbalters. The 3 perceptions were measured by a questionnaire at the beginning and the end of one season. In the middle of the season, perceptions of coaches' motivational climate were aluated. Results showed that at the end of the season, feelings of competence, autonomy, and relatedness were both positively predicted by a task-involving

Autonomy

- Having options
- Feeling in-control



• Feeling responsible for your own actions

Autonomy

GTA Photoshop LEGO 🔿

Competence

- I'm up to the task
- The controls do what I intend
- Mastery



Competence

• Self-perception

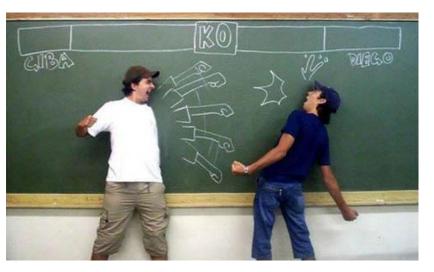




Competence

• ONLY effective when combined with Autonomy





Relatedness

- Relationships
- Belonging
- Part of something bigger
- Peers

- Responsibility for well-being of others



Relatedness

• NPCs Effective

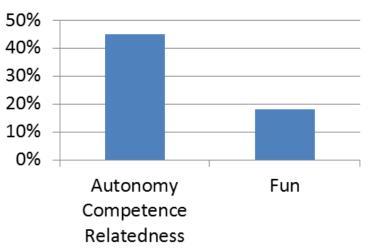


Glossary

- Autonomy = "I have options"
- Competence = "I can do it"
- Relatedness = "I have peers"

Max Out A/C/R?

Max Out A/C/R?



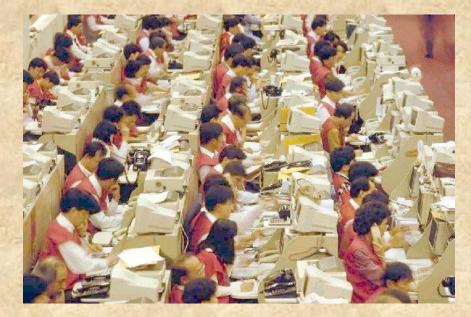
MMO Retention at 9 months

Max Out A/C/R?

- Farmville
 - Plant Anything (Autonomy)
 - No Failing (Competence)
 - Friends Need (Relatedness)

Pinnacle of Game Design???





Portal

• (Villain): "You must destroy this box."



Portal 2

• (Story): "You must put the villain back into power"_____



• People love Portal's scene:

• People hate Portal 2's scene:





• "The villain made me do it"

• "The designer made me do it"





- "The villain made me do it"
 - I HATE this villain

"The designer made me do it"
I HATE this game designer





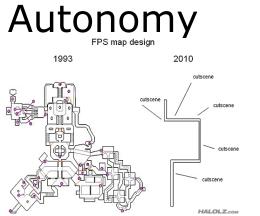
- "The villain made me do it"
 - I HATE this villain

- "The designer made me do it" The main character isn't me





Hold on...

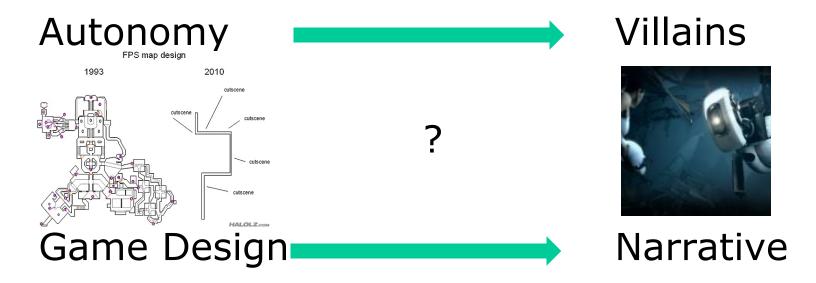


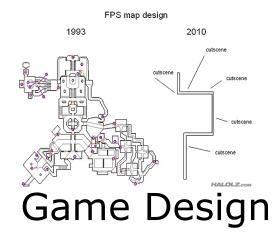
?

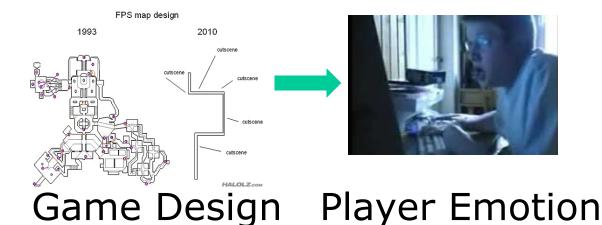
Villains

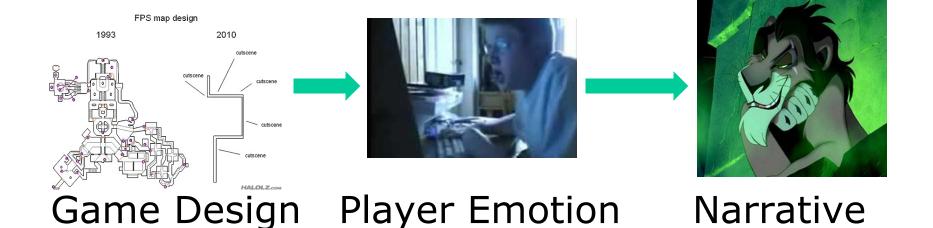


Hold on...







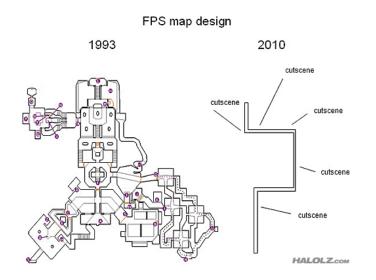


Narrative tool that no other medium has

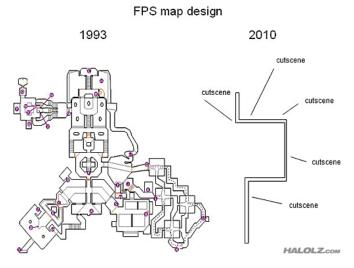




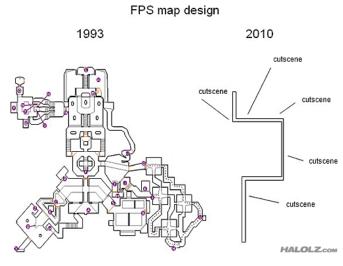




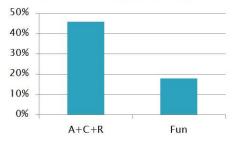
• Do we have to take away Autonomy?



Do we have to take away Autonomy?









• Secret way to save the cube?



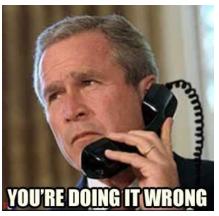
- Secret way to save the cube...Problems:
 - Newbies.







- Secret way to save the cube...Problems:
 - Internet
 - Now Competence+Autonomy



• Do we have to take away Autonomy?

Is this the only way?

• Let people keep the cube—no secrets.

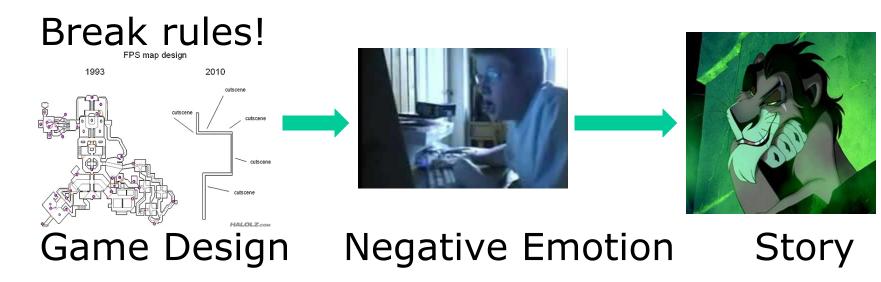


Is this the only way?

- Let people keep the cube...problems:
 - Why be angry with the villain now?



Is this the only way?

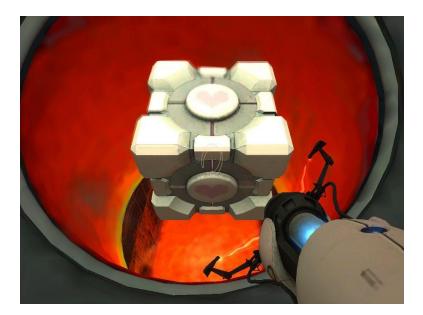


Fix Portal 2's Scene

- Resistance is credible
- Orders you can't refuse



Improve the Portal Scene?



Improve the Portal Scene?

Make sure people CARE about the cube





Improve the Portal Scene?

Autonomy over small things





Bigger Picture

Could we impact non-narrative



Could we impact non-narrative

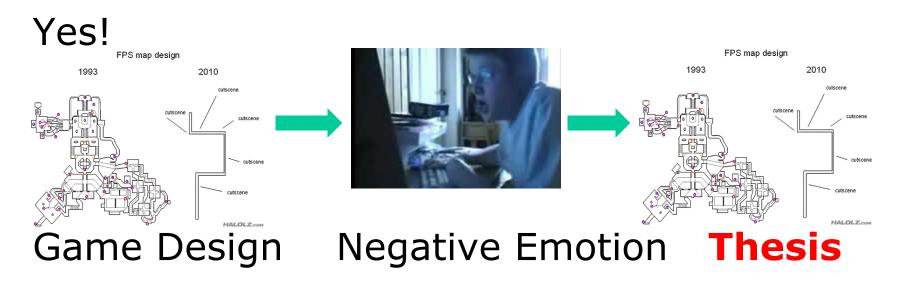


History Lesson

- Brenda Brathwaite's board games
 - Experience historical atrocities



Could we impact non-narrative



Thesis

• Super Press Space to Win RPG

CHOOSE A STAT TO INCREASE	
THEN PRESS SPACE	
STRENGTH	
4 POINTS LEFT	

Thesis

- Super Press Space to Win RPG
 - Thesis(?): Linearity is bad.



Thesis

- Super Press Space to Win RPG
 - Thesis(?): Linear RPGs have plenty Autonomy



Could we impact non-narrative

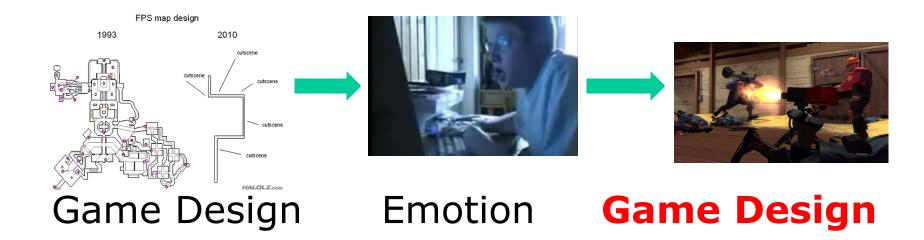
Yes! But the tricks are the same

1993 2010 Ulscene utscene utscene utscene utscene utscene utscene utscene utscene utscene utscene





Emotion **External Idea**



• Yes...

• Yes...You could make people dislike a well-made part of your gameplay!



• Yes...You could make people dislike a well-made part of your gameplay!

• But...why?



Other Negative Emotions...



Other Negative Emotions...

- Autonomy
- Competence
- Relatedness

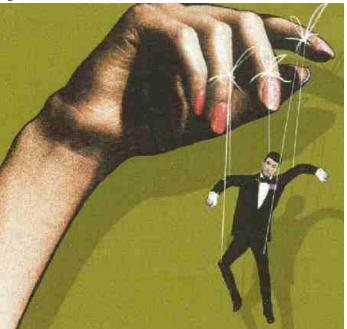






Breaking Autonomy

- Controlled
- Like a Pawn
- "I have to do this"



Breaking Autonomy

- Controlled
- Like a Pawn
- "I have to do this"
- Rebellious



Breaking Competence

- Helpless
- "I can't do it"
- Give up



Relatedness

• Opposite of loneliness

- Loss
- Grief
- Homesick



- Kill Character
- Isolate
- Rejection
 - Reject Them





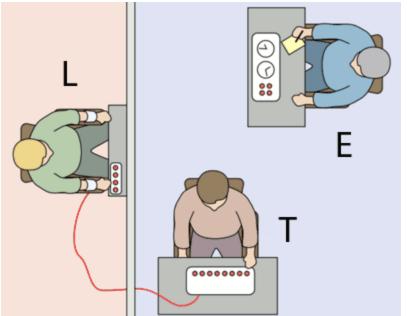




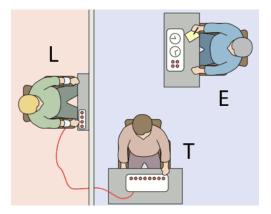
• Murder

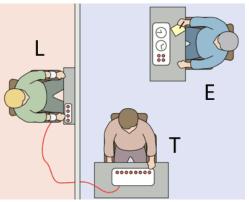


Shock test subjects

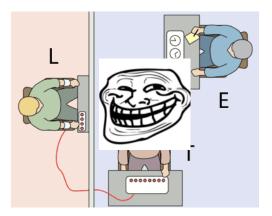


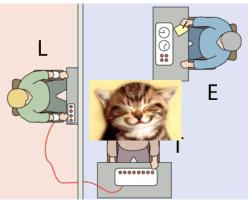
Shock test subjects



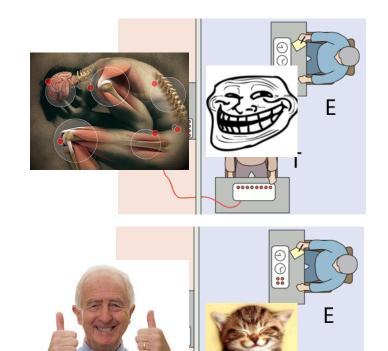


- Shock test subjects
 - Malice
 - Innocent





- Shock test subjects
 - Malice
 HURTS
 - Innocent
 - •Doesn't



......

- Murder
 - It's Malicious





Breaking Relatedness: Murder



Breaking Relatedness: Murder

• Care About Victim



Breaking Relatedness: Murder

- Care About Victim
 - Use Narrative
 - Use Gameplay



- Trust
- Inter-reliance
- Peer



Part of something bigger





• Aeris



- Aeris
 - Lore
 - Goals



566 112 -

141

Game Mechanical Relatedness

- Aeris
 - Lore
 - Goals
 - Your Help
 - Healer



- Aeris
 - Lore
 - Goals
 - Your Help
 - Healer
 - Dies while relevant



Care About a Character

- Used: Relatedness
- Autonomy
- Competence

+Caring (from Autonomy)

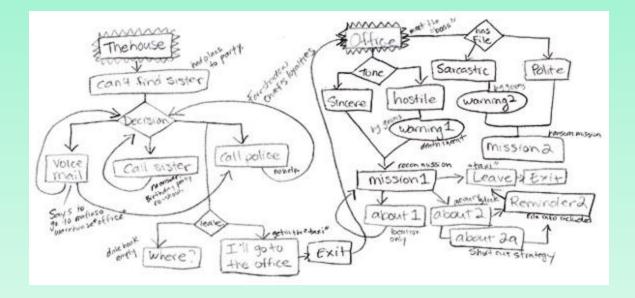
Created Characters



+Caring (from Competence)

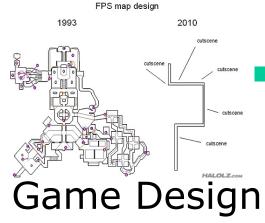
- "My strategies are based around this character."
 - Aeris
 - •Healing
 - •Lose Gear, EXP







- Game Design chunk
- Narrative chunk

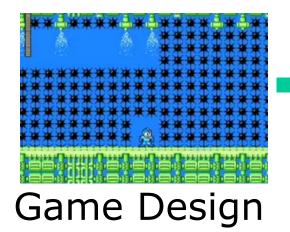






Negative Emotion Story

• Mix and Match!



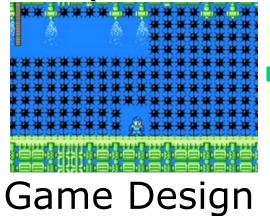




Negative Emotion Story

• Mix and Match!

• (One of each)



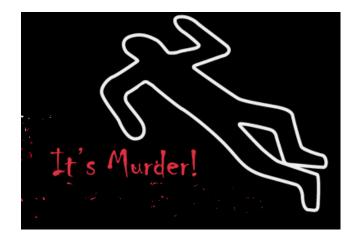




Negative Emotion

Story

• Murder



- Murder
 - Game Mechanical Relationship





Coercion



- Coercion
 - Removes Autonomy
 - = Linear????



- Coercion
 - Capture triggered





• Slow Buildup...

- Slow Buildup...
 - Loneliness



Loneliness

- Portal
 - "Robot won't let me leave"



Loneliness

- Portal
 - "Robot won't let me leave"
 - Blame



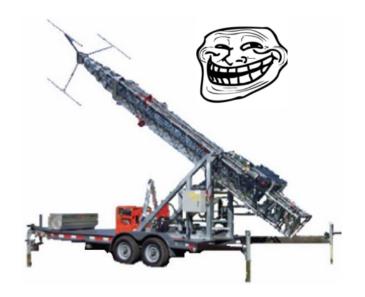
Loneliness (Nonlinear Narratives)

Radio Jammed



Loneliness (Nonlinear Narratives)

- Radio Jammed
 - Blame



Nonlinear Story: Detect Emotion

- Notice player is frustrated
- Play scene





Breaking Competence



Breaking Competence...Problems

- Need Autonomy
- Quitters
- Skill Levels







Breaking Competence

• Brenda Brathwaite's Passage



Mommy, we are not going to make it

Hope people don't die, or put people in the water

We are not going to make it

- Brenda Brathwaite's Passage
 - Autonomy
 Drowning
 Starvation







We are not going to make it

• Other Games





Breaking Competence

- Skill
 - Luck-based failure





Breaking Competence

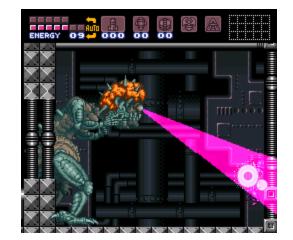
- Quitters
 - GM





- Quitters (electronic)
 - Guess

- Quitters (electronic)
 - Guess
 - Drag the scene out



Modifications



- Modifications
 - Rescue



- Modifications
 - Rescue
 - Gratitude



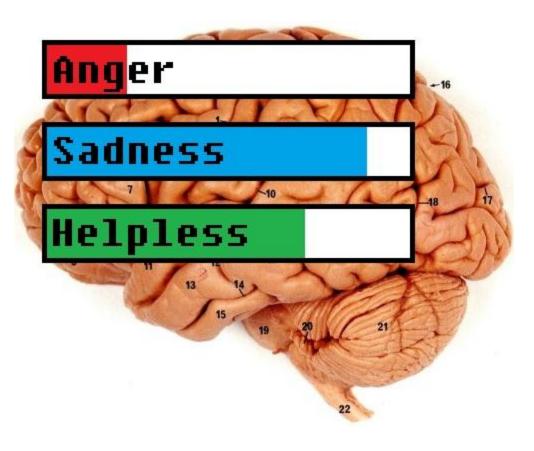
More Psychology

How many of these scenes?

At what point in the game?

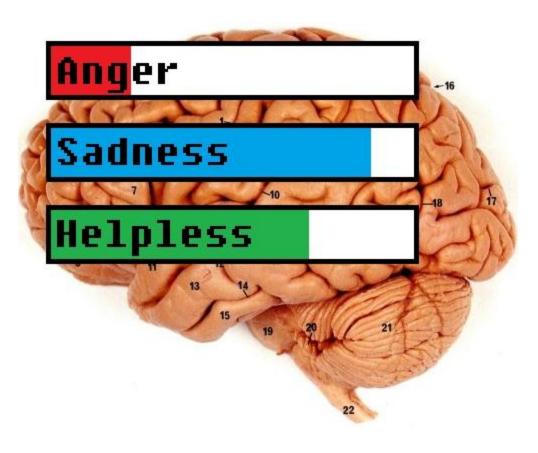
Don't Overuse

- Don't Overuse
 - Limited Supply of Chemicals



- Don't Overuse
 - Limited Supply of Chemicals





• Human Memory = Mutable



- Human Memory = Mutable
 - Liked last scene = liked movie

- Negative Emotion
 - Not Last Scene?

•(Except for Tragedies)



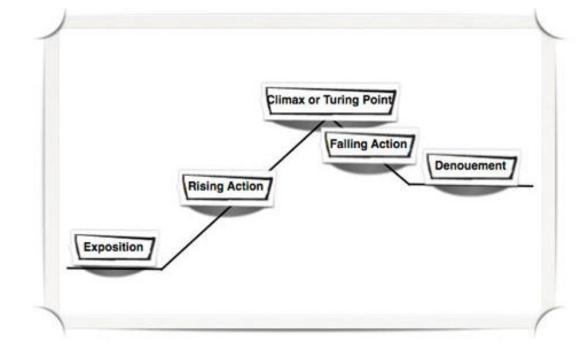
• Autonomy = most impact



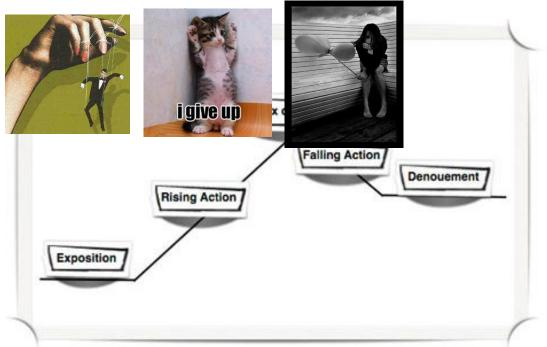
- Autonomy = most impact
 - Most missed?



Story



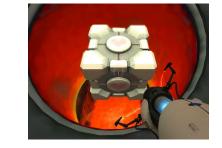
- Story
- Emotion

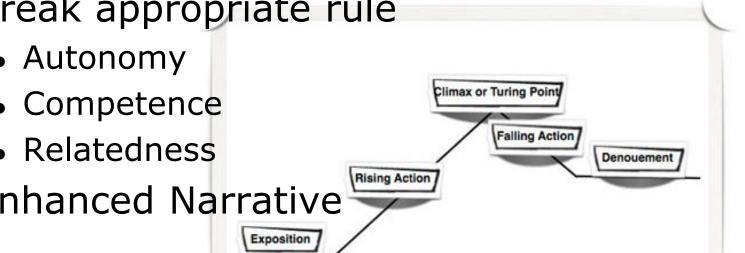


- Story • Emotion
- Break appropriate rule

FPS map design

- Autonomy
- Competence
- Relatedness
- Enhanced Narrative





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Questions?



