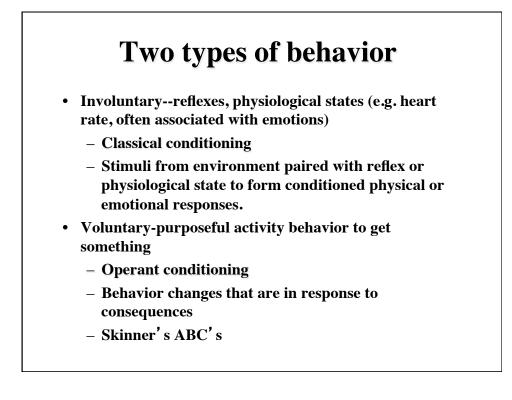
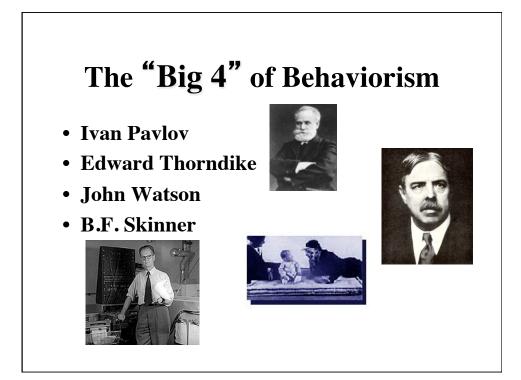
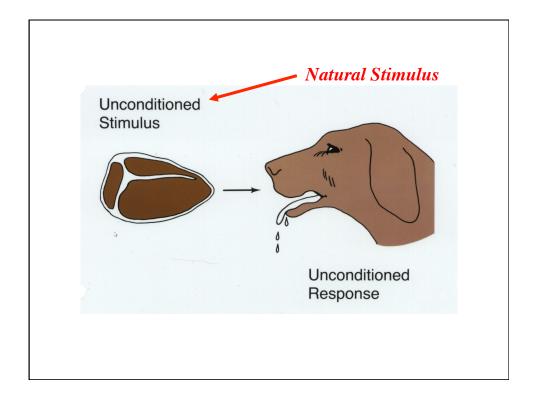


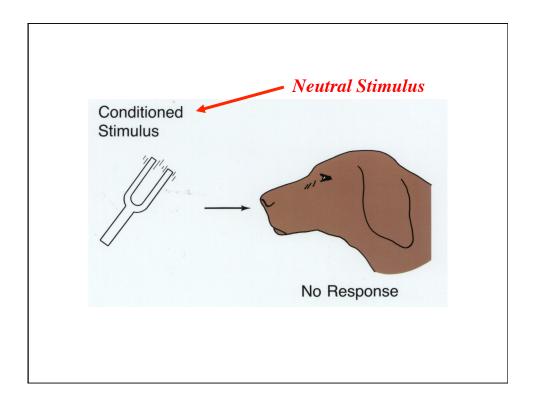
Origins/Purpose of Behaviorism

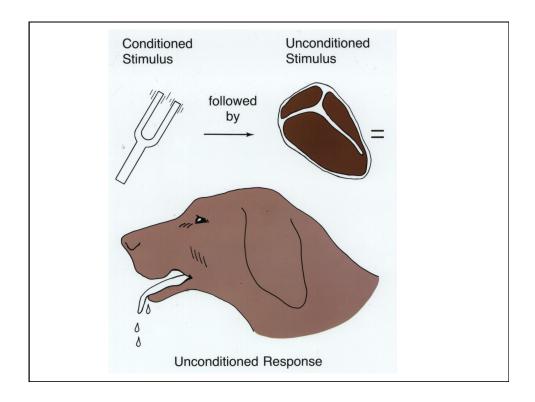
- ► Arose in an attempt to make psychology a science, more objective
- ► Also referred to as traditional learning theory
- ► The focus is on changes in observable behavior
- ► Early work started with animals and transferred to humans

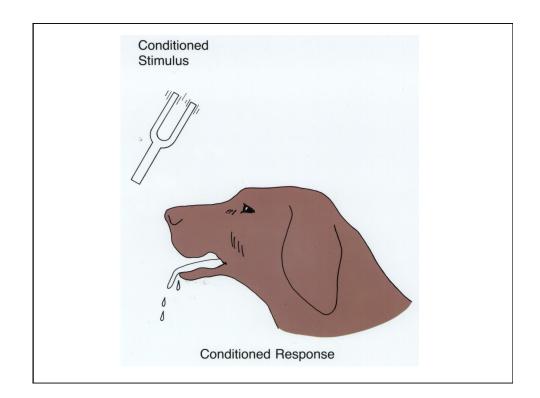


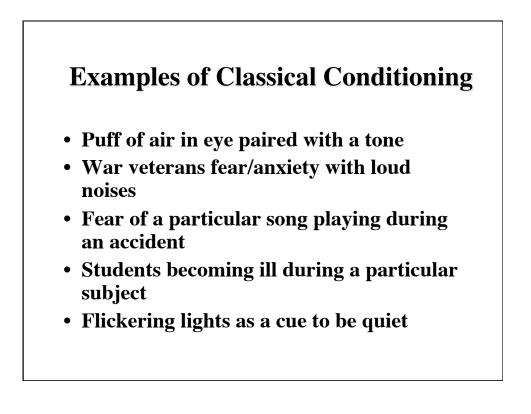


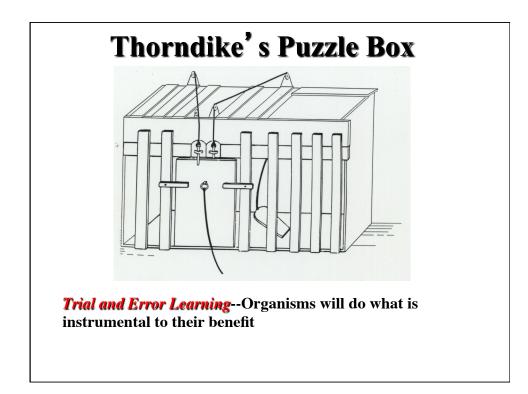


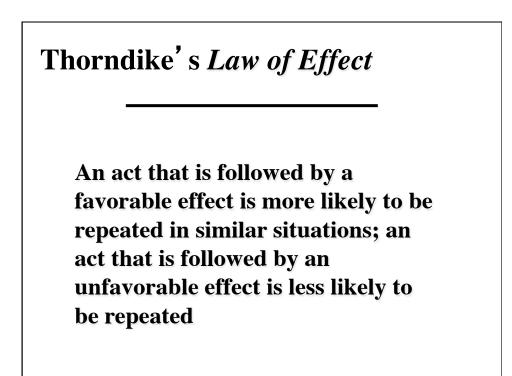






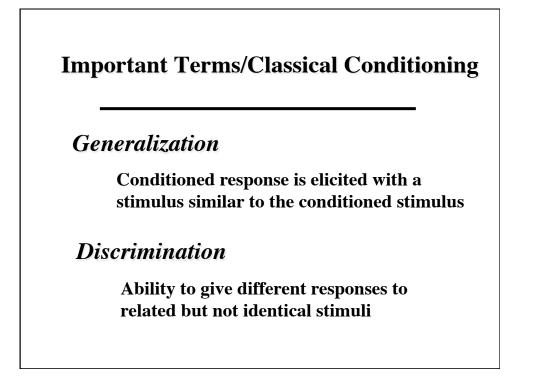






John Watson . . .

- Believed that psychology could become a science when it became possible to predict responses from stimuli; psychology should be objective & experimental
- Applied classical conditioning to humans
- Had a great influence applying behaviorism to advertising



B. F. SKINNER

OPERANT CONDITIONING

OPERANT BEHAVIORS ARE ACTIONS THAT INDIVIDUALS TAKE TO MEET THE DEMANDS OF THEIR ENVIRONMENTS

Reinforcement & Punishment

- Reinforcer
 - Any consequence that strengthens (increases the frequency of) a behavior

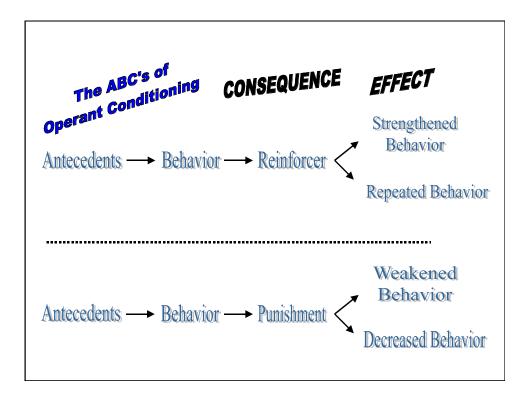
• Punishment

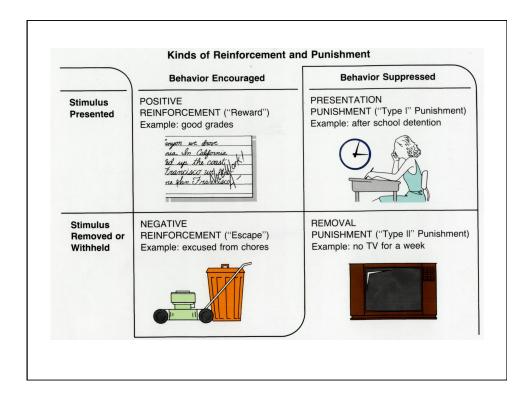
 Any consequence that weakens (decreases the frequency of) a behavior

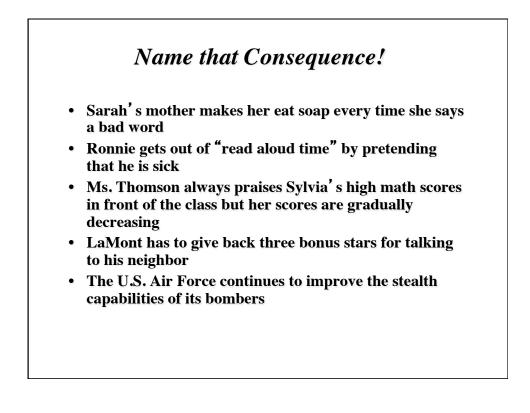
REINFORCEMENT

Any event following a behavior that increases the likelihood of that behavior occurring again.

"The only defining characteristic of a reinforcing stimulus is that it reinforces" (Skinner, 1953, p. 72).

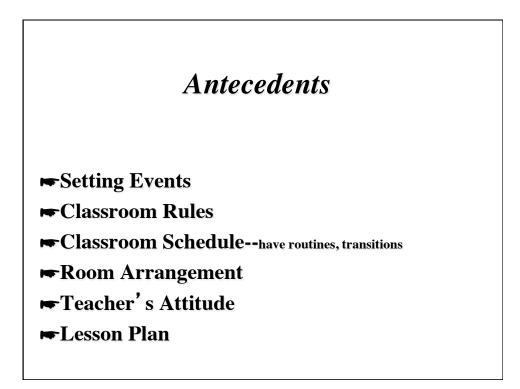






Name that Consequence!

- Kramer hears applause by all who watch him slide awkwardly through Jerry's door
- Andrea trains hard in track practice to become faster in order to avoid disappointing her Father
- Ben Johnson had to sit out of three Olympic competitions because he used steroids
- Teresa continues to crack jokes in class to the dismay of her teacher who always throws a fit
- Tina now wears bell-bottoms and retro clothing because all of her friends do too

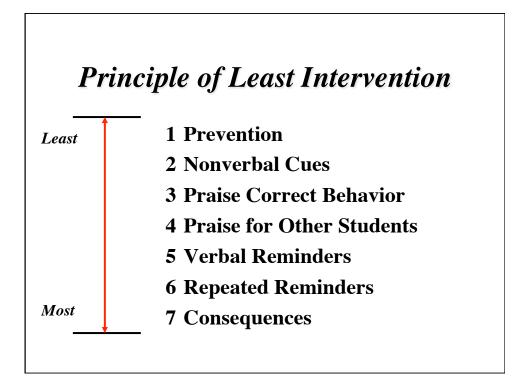


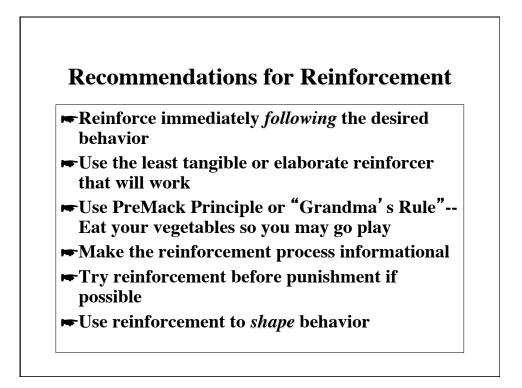
Guidelines for Preparing Rules

- Keep class and school rules consistent
- State rules clearly
- Provide rationales
- State rules positively
- Keep the list short
- Encourage student input



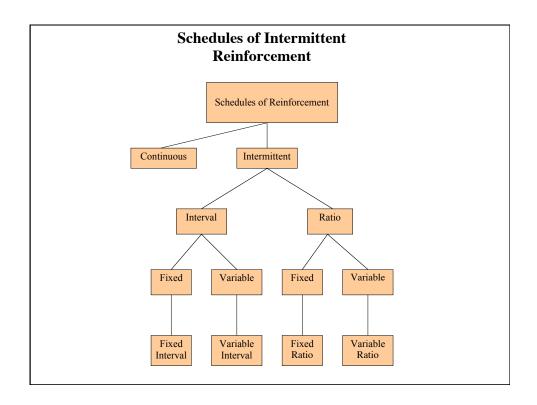
- Physical Well Being (e.g. tiredness, illness)
- Emotional Well Being (e.g. personal problems)
- Environmental Stimuli (e.g. how warm the classroom is, lighting)
- Social Stimuli (e.g. who is in the class, relationships)





The Process of Shaping

- First, reinforce any response that in some way resembles the target behavior
- Then reinforce a response that more closely approximates the target behavior (no longer reinforcing the previously reinforced response).
- Then reinforce a response that resembles the target behavior even more closely
- Continue reinforcing closer and closer approximations to the target behavior
- Finally, reinforce only the target behavior



Intermittent Reinforcement Schedules

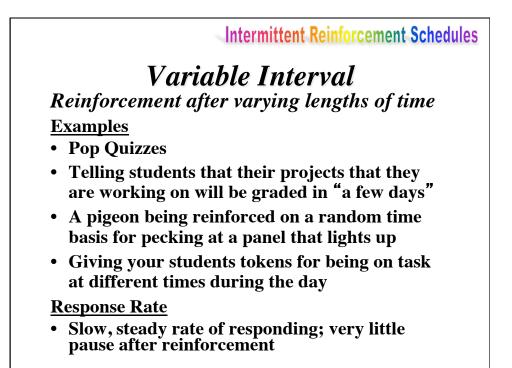
Fixed Interval

Reinforcement after set period of time Examples

- Weekly Quiz
- Preparing for class to start everyday
- Shopping for Holiday or Birthday gifts
- Praising a hyperactive child every 15 minutes for appropriate classroom behavior
- Feeding your pets every morning

Response Rate

• Increases as time for reinforcement approaches, then drops off after reinforcement



Intermittent Reinforcement Schedules Fixed Ratio

Reinforcement after set number of responses

Examples

- ✓ Paying workers \$50 for every car they paint
- ✓ Giving a pizza coupon for every third book read
- ✓ Giving a struggling speller computer time for every 10 new words spelled correctly
- ✓ Receiving an advanced colored belt in karate after meeting the requirements at each stage
- ✓ Receiving recognition pins for writing your 5th, 10th, & 25th essays

<u>Response Rate</u> Rapid response rate; pause after reinforcement

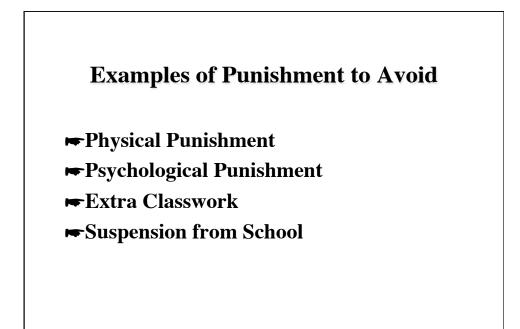
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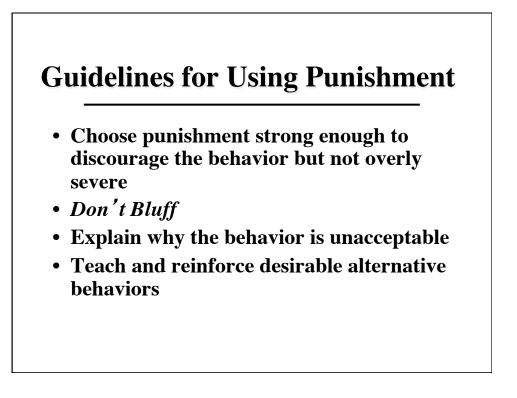
Punishment should be:

- 1. Mildly unpleasant
- 2. Short in duration
- **3.** Applied as soon as possible after the behavior

Examples of Effective Punishment

- ► Time Out
- ► Response Cost
- ► Verbal Reprimand
- **☞**In-house Suspension





Potential Problems in Using Punishment

- When a behavior is punished in one situation, it may increase in another situation (one in which it is *not* punished)
- Punishment often conditions negative emotional responses and may lead to escape and avoidance behaviors
- Punishment may lead to aggression
- Punishment does not illustrate the correct behavior
- Severe punishment may cause physical or psychological harm

Satiation

Reinforcer is overused to the point that it loses its potency

Extinction

Behavior decreases because it isn' t being reinforced

Be Prepared for the Extinction Burst!

Applied Behavior Analysis

- 1. Identify target behavior(s) & reinforcer(s).
- 2. Establish a baseline
- 3. Choose a reinforcer and criteria for reinforcement
- 4. If necessary, choose a punisher & criteria for punishment
- 5. Observe behavior during program implementation & compare to baseline
- 6. When the behavior management program is working, reduce the frequency of reinforcement

Effect of Rewards

- Praise, if used correctly, can increase intrinsic motivation by being informational
- Give unexpected rewards
- Avoid tangible rewards for something the student already finds interesting
- Rewards may decrease intrinsic motivation when given for simply engaging in an activity. Rewards should be contingent upon meeting a standard or advanced level of performance