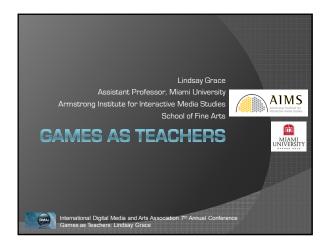
1

MIAMI

AIMS



### Introduction-The Claim

### Overview

indsay D. Grace, Miami University

ndsay D. Grace, Miami University

- Games introduce **specific** approaches to problem solving and conflict resolution,
- Serving as a kind of **prescription** which may be translated into philosophical approach.

### Introduction

### **Purpose and Agenda**

- Outline a set of fundamental observations about the instructive nature of video games.
- Create a perspective from which to consider new sets of instructive content for games through gameplay (new philosophies)
  - Introduce "Critical Gameplay" Design



### Introduction - Why? Percentage of American households that play computer or video games 68 % \*According to the Entertainment Software Association 2009 (f) MIAMI AIMS





### Introduction-How?

Lindsay D. Grace, Miami University

 Analyze via an educational lens
 What must be learned to Succeed in the environment

## 1.Learning from Necessity for Efficacy the video game industry is full of educational titles Most games require players to learn in order to play - we learn to play In game environments a student must learn to stay in the classroom The motivation is SOCial and practical



6

MIAMI

AIMS

### 1.Learning from Necessity for Efficacy

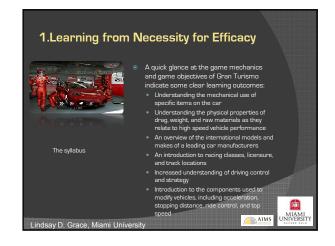


Not merely an exercise in turning when appropriate, it is a world that requires engineering knowledge and skill to navigate

MIAMI

AIMS

# 1.Learning from Necessity for Efficacy necessity is directly tied to the success (relevancy) Students of Gran Turismo will be "left behind" if they do not succeed Like a good instructor, evaluation in the game world is Consistent, perpetual, and objective



1

MIAMI

(1)

MIAMI

AIMS

AIMS

### 2. Understanding Versus Reporting Common dilemma in education Most good games require simply recitation understand: How the weapons work

- understanding, not
- If you are to best someone in a first-person shooter, you must
- Where the weapons are most
- effective The geography of the space

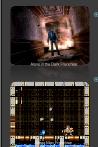
Lindsav D. Grace. Miami Univ

av D. Grace, Miami Uni

6 objectives, et al MIAMI AIMS

### 3. Analysis for Understanding

i Univ



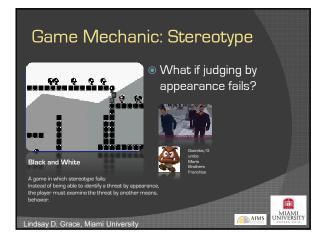
### The accomplished game player: the game becomes a fiction to be analyzed in much the way a literature student examines a text

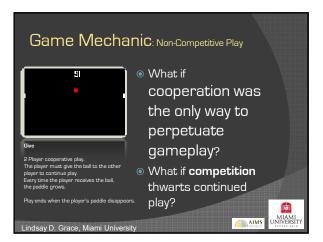
Understand intention by referencing the cannon of previous experiences to achieve successes



### Game Design Lessons in Practice

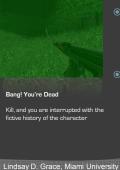
- Review the lessons incorporated in
  - What do common game mechanics teach us?
  - Goal: Create "Critical Gameplay" Game mechanics that highlight alternate solutions, assumptions about interaction, or short fallings in conventional game behaviors







### Game Mechanic: Absent Ramifications



- What is the educational and emotional effect of removing "absent ramifications"?
- What if ramifications of the act were made immediately apparent?
  - apparent?



