

	WPI
Outline	
□What is a Game?	
Genres	
What Makes a Good Game?	
IMGD 1001	





















Puzzle Games
Clever thinking is the most important aspect Many maze games are based on puzzle solving, rather than on reaction time
Also board games and sliding puzzles
Normally 2-dimensional
 Relatively easy to create Except when played against a computer opponent Artificial Intelligence can be harder Ex: How to program the computer to play chess?
Good in Flash
MGD 1001 Based on notes from Mark Overmans





٨	dventure Games
	Game is about adventure and exploration Story line is often crucial
	Can be 2D or 3D
	Actions easy (just move)
	Difficulty is in making exploration/adventure interesting Interesting, funny, and surprising story line Corresponding artwork
	Artists' role is crucial
	IMedium in Flash
IM	GD 1001 Based on notes from Mark Overma

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First-Person Shooters
3D version of many arcade-style games (move and shoot)
Emphasis is on fast-paced action and reaction speed, not on cleverness and puzzle solving
Many examples: Doom, Quake,
□ Need to be 3D
Relatively difficult to create because of models
Hard in Flash
IMGD 1001 Based on notes from Mark Overmars



Sports Games

- Real-life sport, made virtual
- □Ideas, rules in place
- Making realistic, challenging, fun like sport can be difficult

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Medium in Flash

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Racing Games

Really, special type of sports game
But pervasive enough to get own category

Drive a vehicle, as fast as possible, or
sometimes for exploration, or combat
Either realistic...
Formula 1 or Grand Tourismo
...or focused on fun (arcade)
Midtown Madness or Ridge Racer
Both 2D or 3D
Medium in Flash









What about Online Games?
Grew from 38 million (1999) to 68 million (2003)
Not just for PC gamers anymore
24% of revenues will come from online by 2010 (Forrester Research)
Video gamers (2004)
78% have access to the Internet
44% play games online
Spend 12.8 hours online per week
Spend 6.5 hours playing games online
IMGD 1001















So, You Want to be a Game Designer?
Break into groups by favorite genre
Decide on a game idea
 How will you: Define goal(s) Provide choices Create and maintain player interest
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