

Having your orchestral cake

...and interacting with it too!



forget the words:

adaptive interactive

let's talk about:

storytelling

timing

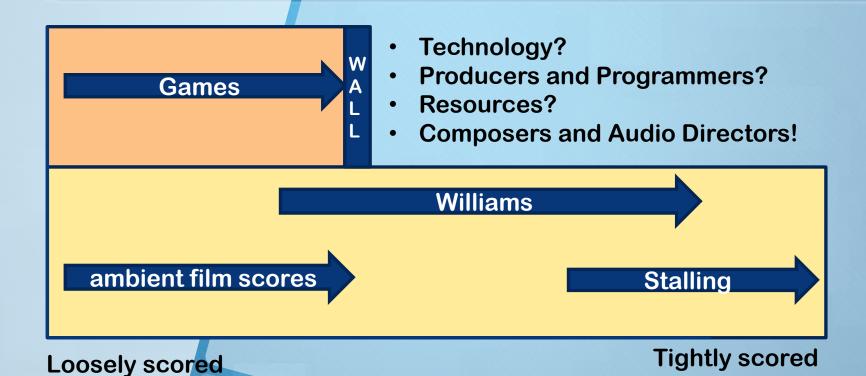
transitions

emotional arc



Loose vs. T

Tight Scoring



where it all began...



Creativity Always Lead the Technical

Peggle 2:

Concept to Reality

- Imagination
- Aesthetics
- Design
- Engineering
- Production

what are the possibilities?

what's the story we're telling?

creativity meets logic

bringing it to life

fruition

The Prototype

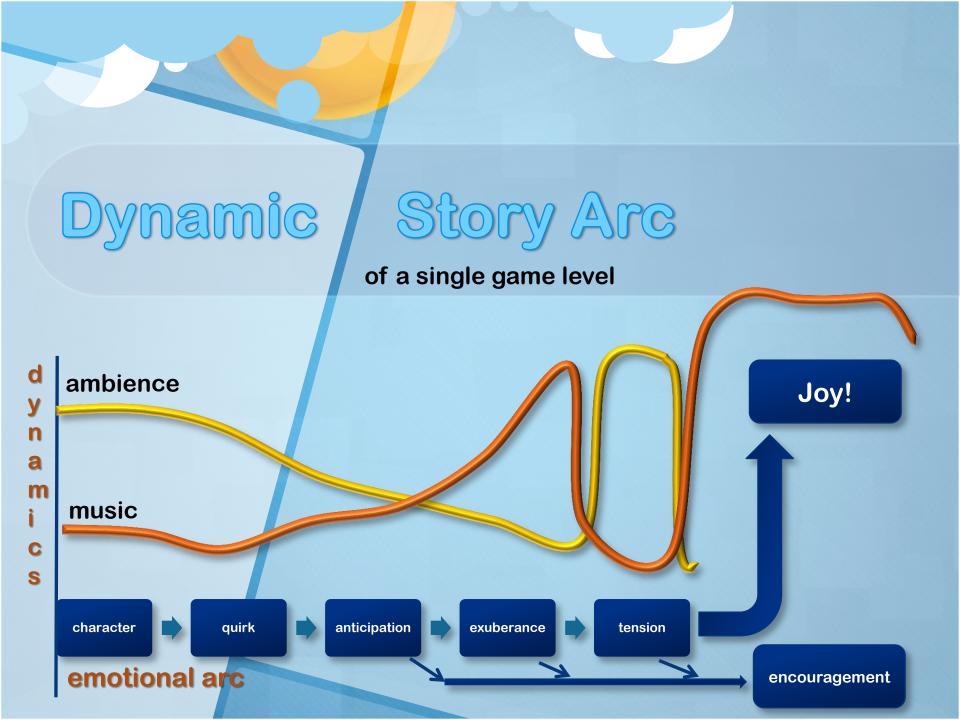
Play It Don't Say It!



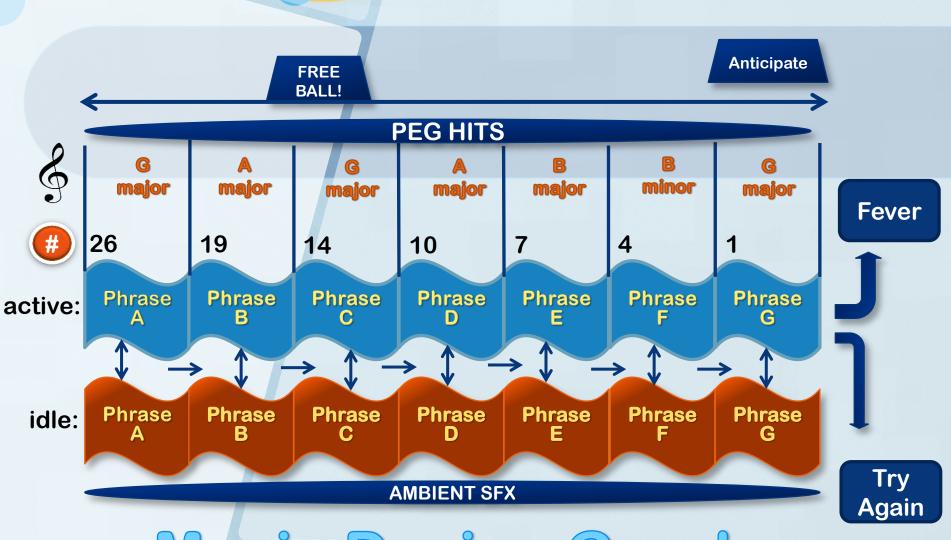


Bjorn

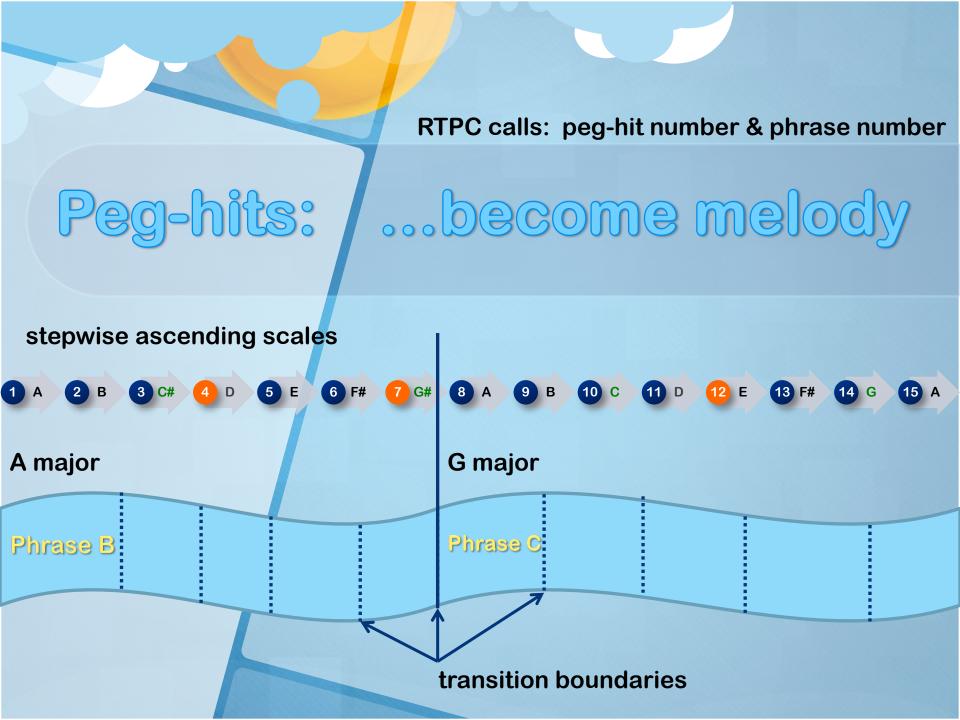
The Archetype



single game level



Music Design Graph







Luna

The 'Music Set' concept

The Nonlinearity of Games Calls for Flexible Music

Elemental Music

- Keep music in its component parts
 - The more granular the more flexible
 - Vertical (instrument tracks 'stems')
 - Horizontal (phrases, notes)
- Elements are arranged and assembled at run-time
- Final arrangement and mix created as the game is played

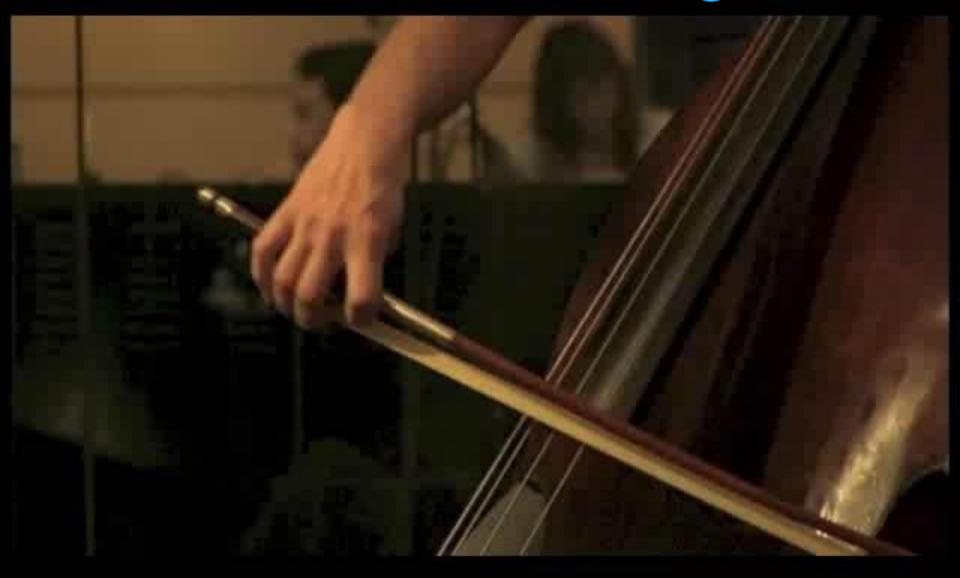
Recording

The Orchestra

- Classical Excerpts
- Original Score
- Peg-hits
- Microphones
- File prep

60 piece orchestra plus choir recorded in phrases and sections chromatic single note recording close and overhead light mastering

Recording Session





Mixing in the (X)Box



Final music arrangement and audio mix

- are created in real-time
 - as the game is played



Keeping it Real-time

- Reverb and adaptive music
 - Seams and tails
 - It's another element that can be separated
- Contextual mixing
- Delays, flange,
- Limiting/Mastering

Surround / Mixing

- Aesthetic license to be bold
- Source based mixing
 - Format agnostic (5.1, 7.1 etc.)
- Classical Excerpts
 - Close microphones front L/R,
 - Overhead microphones back L/R

Wwise:

Authoring Demo

- Bus mix architecture
- Phrase progression
- Stingers
- Profiler
- Surround Panning

Game Modes

- Adventure
- Trials Remixes
- Duels 2 Player
- Peg-Party Multiplayer

Team:

In House

- Guy Whitmore
- Jaclyn Shumate
- Damian Kastbauer
 - Becky Allen
 - Pam Aronoff
 - Jason Wolford

- -Composer / Audio Director
- Audio Lead / Lead Sound Design
- Technical Audio Lead
- Composer / Sound Designer
- Sound Designer
- Sound Designer

Team:

Outsourcing

- Stan LePard
- scntfc / Andy Rohrman
- Sound Rangers
- Formosa Group
- Dynamedian

- Orchestration/Composition
- Music Remixes
- Ambiences
- Character SFX
- Classical Excerpts

Future Pulse

- Seamless workflow between traditional DAWs, game authoring tools, and audio engines
- Further granularity:
 - MIDI software samplers, synthesizers
- Deeper more sophisticated algorithms
 - Created by humans for humans

Only You!

...can advance the craft of game scoring

- Tools are robust and widely available
- Patience & Tenacity play the long game
- Play it don't say it
- Don't let the geek trump the artist
- The way is many ways chart your own path





by guy whitmore

Live Orchestra Meets Highly Adaptive Score