

game architecture

Interaction Loops and Arcs

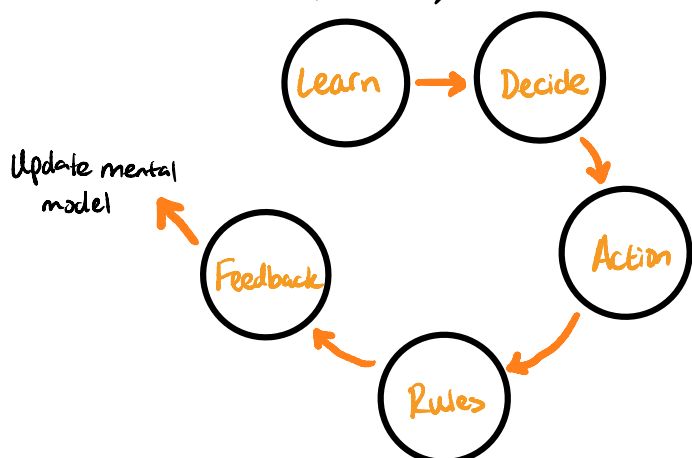
- structural elements
- describe how a player interacts with a game
- how a game responds to the player



Useful for game designers to understand

- How players learn your game
- Skills players acquire + order they acquire them
- The parts of your game that are breaking/confusing
- How small interactions lead to complex interactions

(mental model)



Mastery only arises after repeated passes through the steps

Skill Chain

↳ eg. need to jump and move to kill a Goomba

Master simpler interactions to do more complex/compound interactions

If a player is struggling, investigate the interaction loop of the lower-order skills

How do we use interaction loops?

Frequency

The frequency which they occur at during a game matters

Impacts the pace of the game

Okay... how do we know when to use them?

Good to methodically build a player's wisdom/approach a complex system

Rich use of them empower player to approach unexpected situations with confidence and a mental problem solving toolkit

Interaction Arcs

Purpose: To help deliver more evocative content (stories/movies)

Due to fast nature of this arc, author needs to convey key ideas efficiently and effectively

To do this, arcs usually have this functionality...

1) Simple Modular Actions

eg. turning a page/watching a movie
Want players to get the info easily and quickly

2) Simple Systems

Display content to the player

3) Evocative feedback

Links together existing mental models in a unique/interesting/useful way

Arcs are usually only executed once or twice and are exited almost immediately

Excel at communicating "success stories" which are brilliant learning shortcuts

↳ ideal golden path that teach a lesson

Both arcs and loops are essential and serve different design needs

Sequences of Arcs

Issue with arcs: players burn out on them and don't want to engage with them multiple times

↳ Potential solution: bringing together arcs into a sequence of arcs

Downside: This creates a content treadmill (need for constant sequence of arcs)

Interaction loops = series of arcs

Mixing loops and arcs

- Parallel arcs
- Levels
- Micro Parallel arcs (levels + parallel arcs)