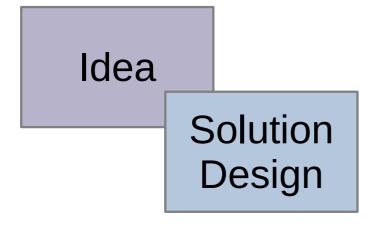
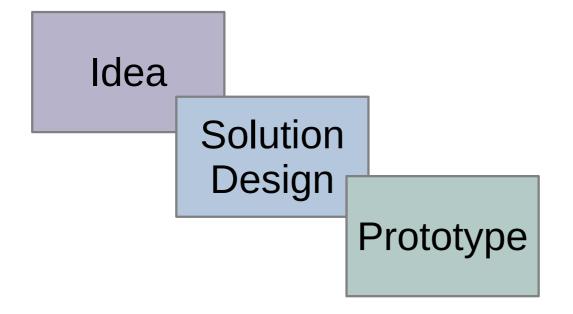
Product Development

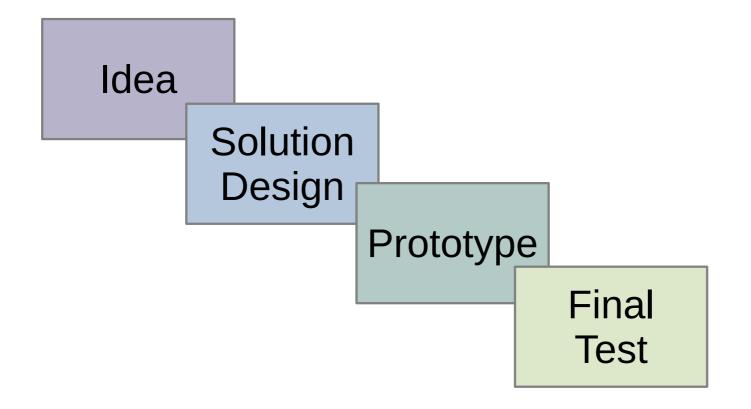
Techie Pizza #44267 Project, Lesson 3 Michael Lyle

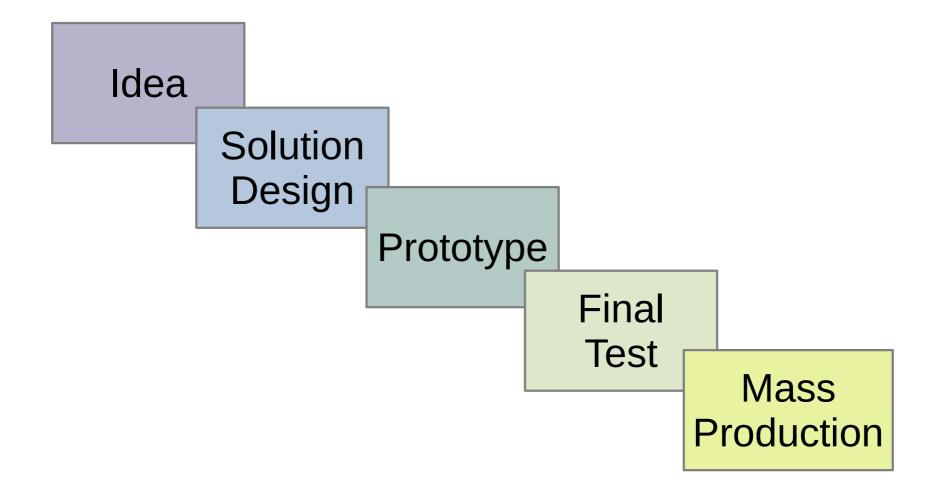


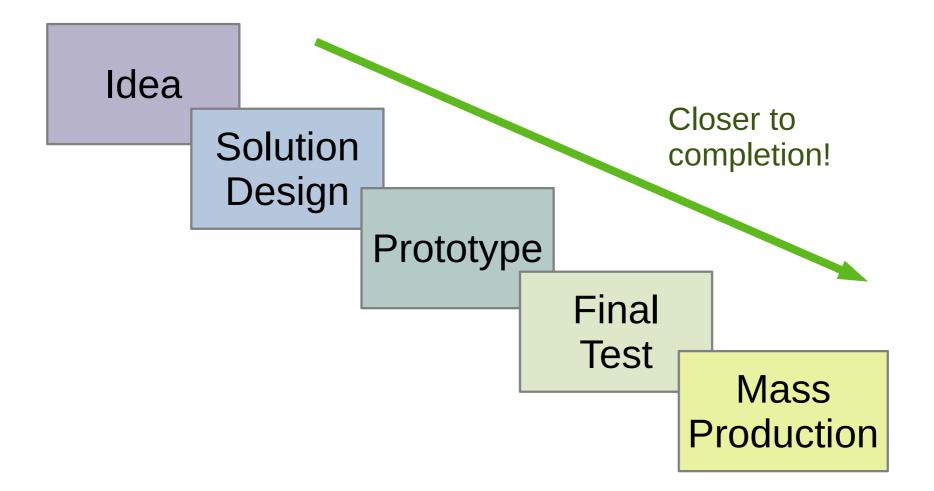
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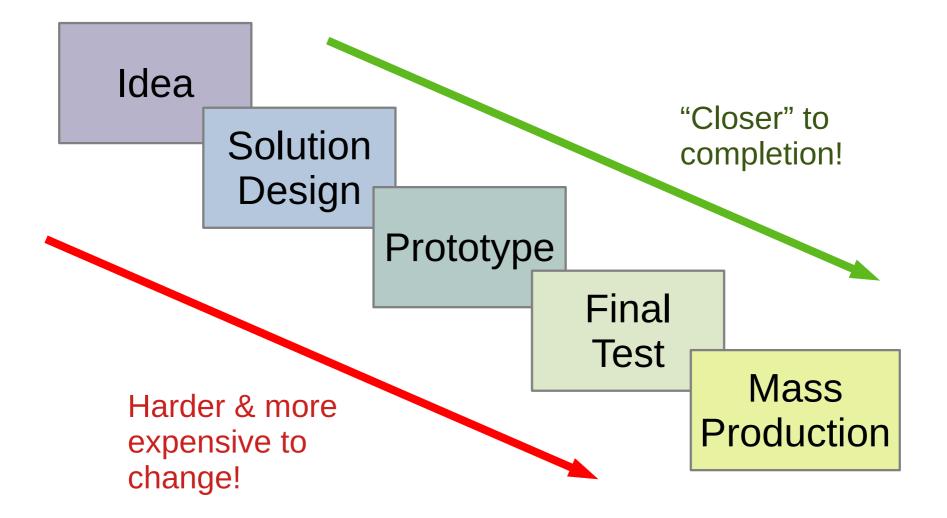












Risk:

All the things that can go wrong, whether we know about them or not.

Feedback and testing removes risk.

Making changes (even good changes) increases risk until testing proves the changes safe.

Since later stages make it harder to change, even doing nothing increases risk.

Risk:

Two major causes of risk:

Putting together ("integrating") the pieces too late.

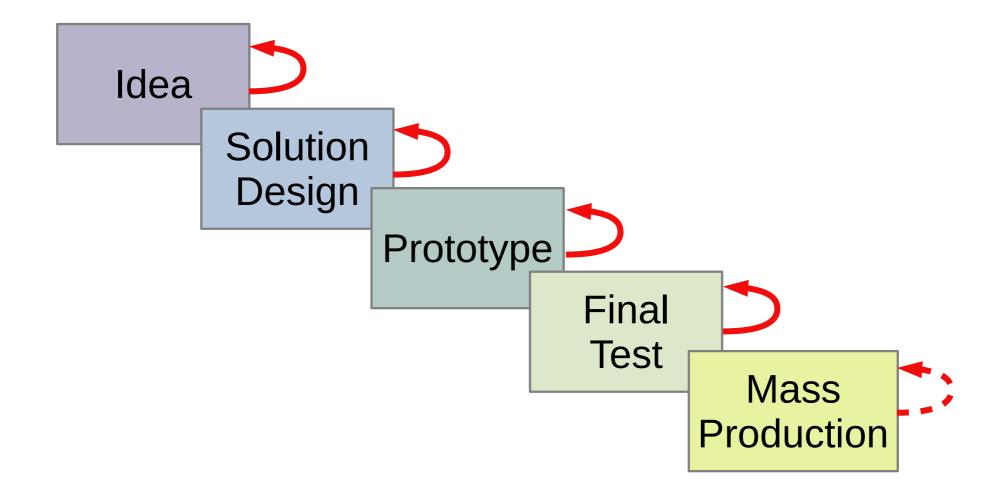
Starting with too ambitious of an idea in the beginning; it is better to start small and build up.

Risk:

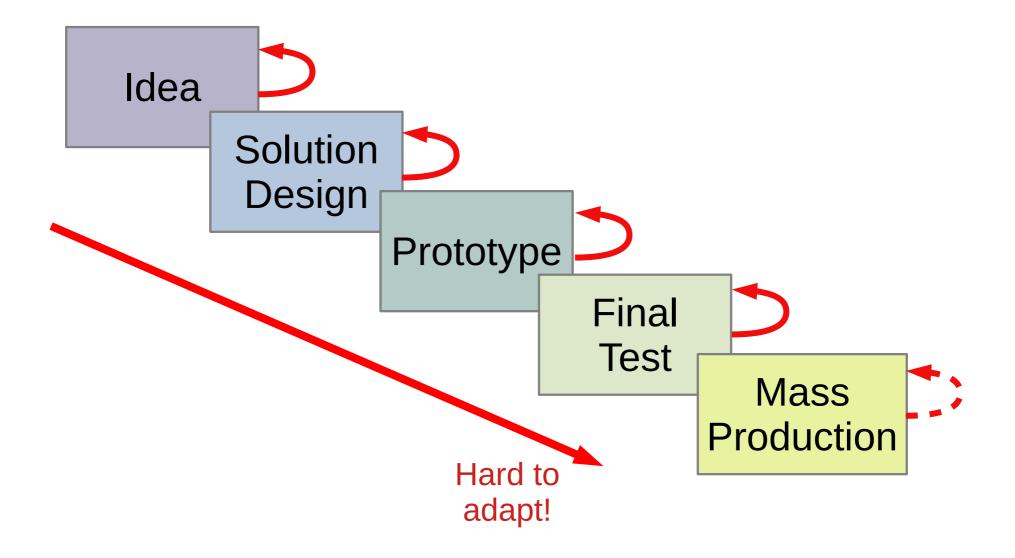
You win by advancing in stage (to prototype, final test, and production) without too much risk.

You lose by running out of time.

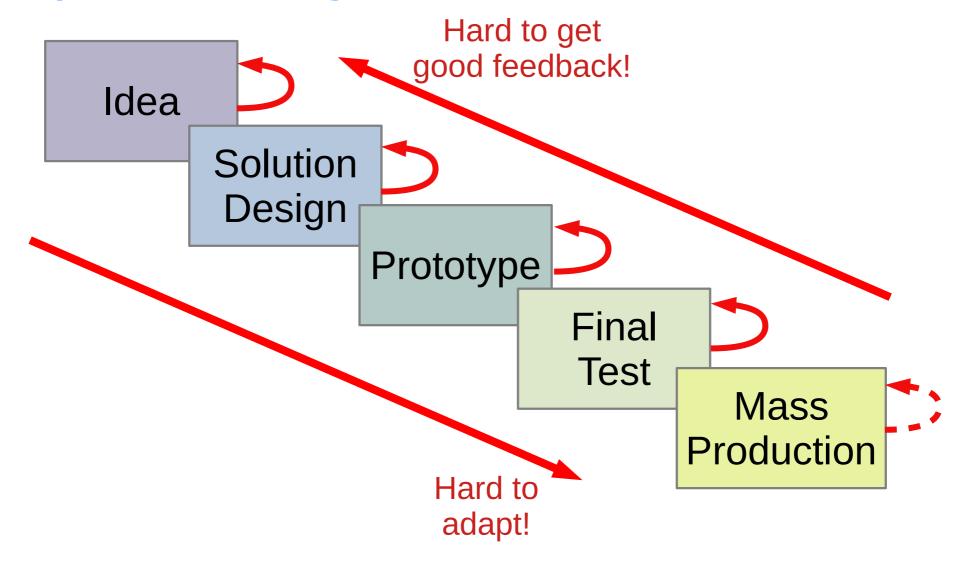
Refinement and iteration



The sooner we get (and react to) feedback, the better.



Some kinds of feedback are possible only in later stages.



Global Innovation Award rubric

Solution Development	Dution Development Use of a systematic process to develop the solution, where alternative solutions are considered and narrowed, the chosen solution is evaluated and improved, feasibility of process solutions assessed				
process AND explanation need improvement	process OR explanation need improvement	systematic and well-explained, including evaluation or verification	process uses evaluation or verification across multiple steps		

The rubric explicitly requires cycles of feedback and improvement in the development process.

Global Innovation Award rubric vs. Qualifier Tournament rubric

Sol	Solution Development Use of a systematic process to develop the solution, where alternative solutions are considered and narrowed, the chosen solution is evaluated and improved, feasibility of process solutions assessed					
	need improvement	process OR explanation need improvement	systematic and well-explained, including evaluation or verification	process uses evaluation or verification across multiple steps		
Solution Development Systematic process used to select, develop, evaluate, test, and improve the solution (Implementation could include cost, ease of manufacturing, etc.)						
N D	process AND explanation need improvement	process OR explanation need improvement	systematic process included evaluation	systematic process included evaluation; implementation considered		

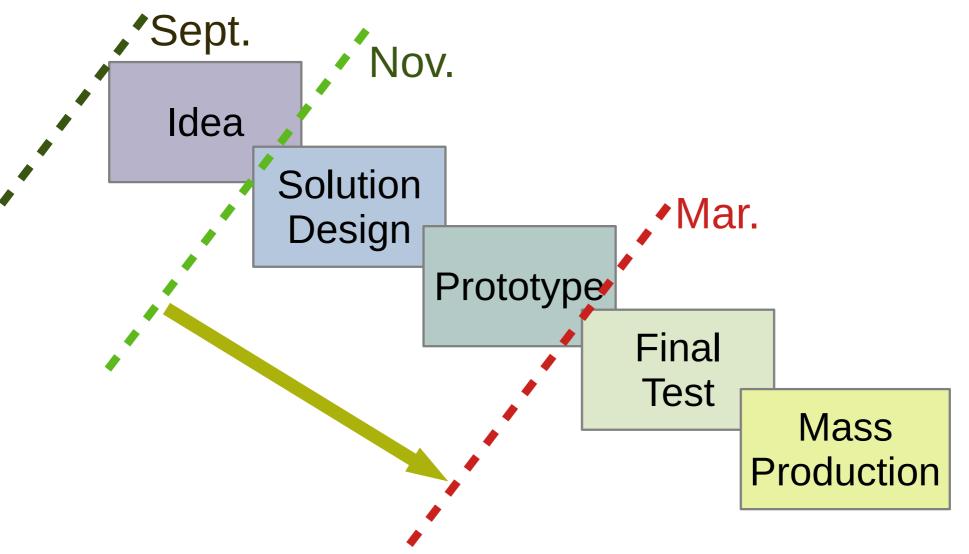
The judging standard for process is stricter for Global Innovation than at Qualifier Tournaments.

Global Innovation Award rubric vs. Qualifier Tournament rubric

Sol			o develop the solution, where chosen solution is evaluated d		
pro	need improvement	process OR explanation need improvement	systematic and well-explained, including evaluation or verification	process uses evaluation or verification across multiple steps	
Solution Development Systematic process used to select, develop, evaluate, test, and improve the solution (Implementation could include cost, ease of manufacturing, etc.)					
ND	process AND explanation need improvement	process OR explanation need improvement	systematic process included evaluation	systematic process included evaluation; implementation	

The team will need to be able to tell the judges about this product development process.

Techie Pizza innovation status



Techie Pizza innovation status

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Sep.	No	OV.	Mar.
Solution Development	Use of a systematic process t considered and narrowed, the of process solutions assesse	chosen solution is evaluated	
process AND explanation need improvement	process OR explanation need improvement	systematic and well-explained, including evaluation or verification	process uses evaluation or verification across multiple steps
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