

**Personalized
Learning
Summit
2017**



Time to Get Agile

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Education Elements

@edelements

bit.ly/PLSWorkshopSurvey

#PLSummit



Gimme Shelter

“Our family of four needs a new home.”

Actions:

1. Form groups of 3-5
2. Build model of home w/paper, tape
3. 5 minutes

You learned something new:

“We live next to a river. Sometimes it floods in the area. We need the home to withstand flooding.”

Take 2 minutes to improve the home.

You learned even more:

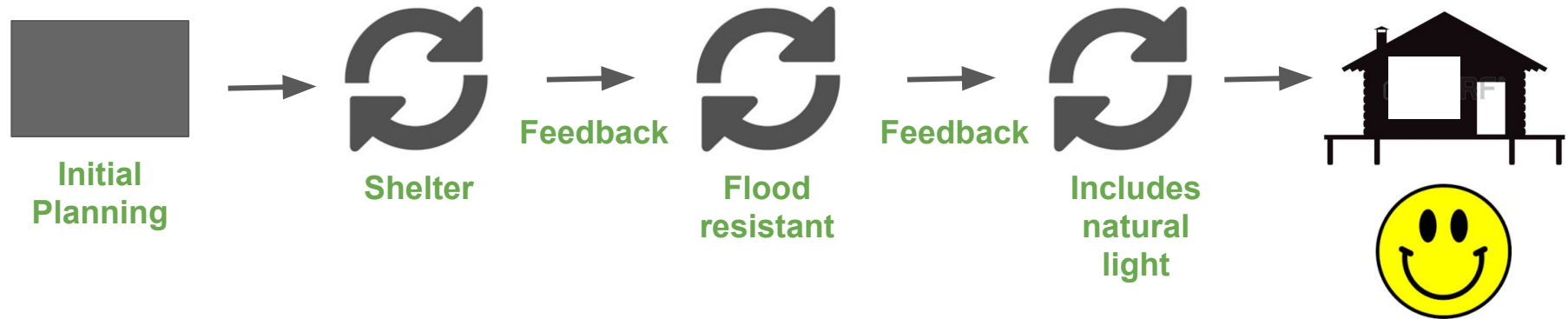
“Everyone in the family has a severe vitamin D deficiency. We need lots of natural light.”

Take 2 minutes to improve the home.

Turn and talk

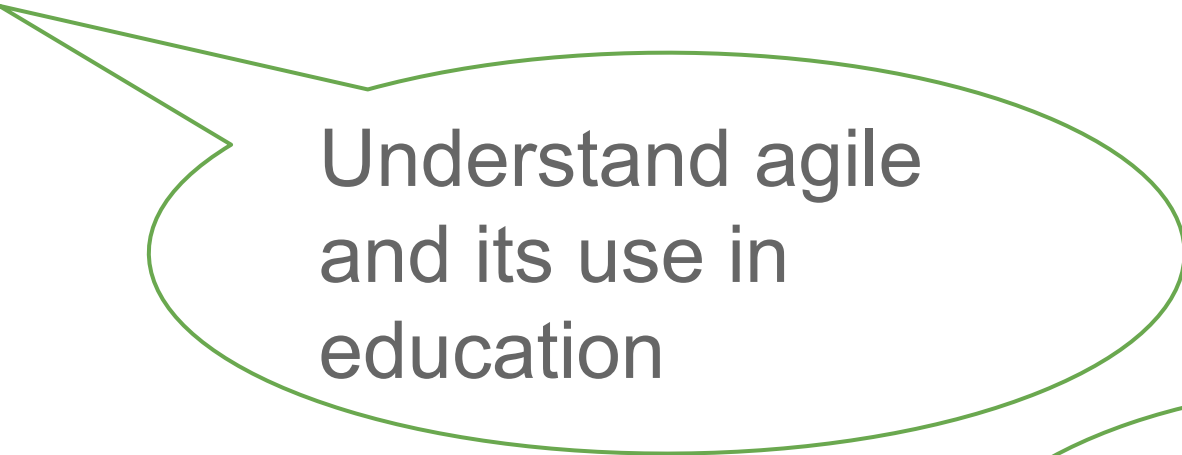
If you built the shelter without talking to the customer, what might have happened?

Being agile means embracing iterations and increments

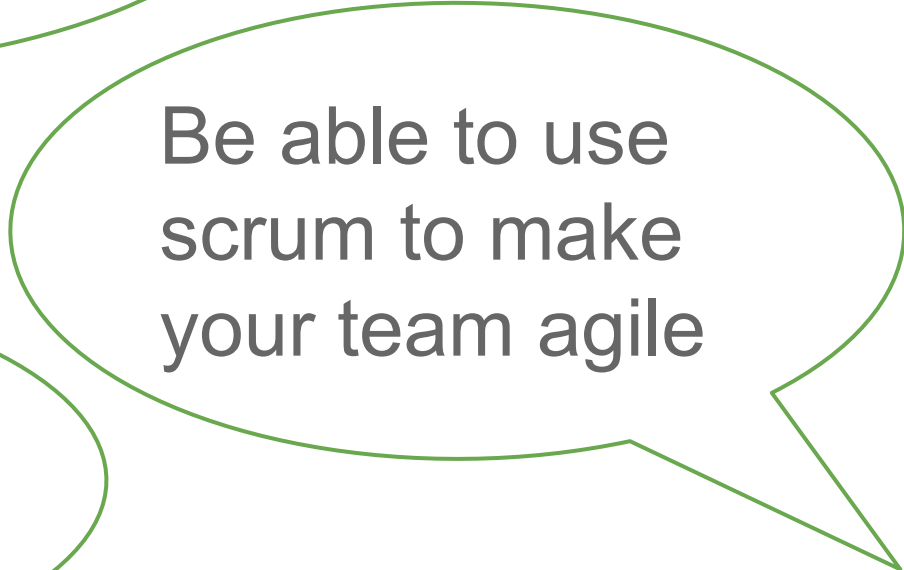


How are they agile?





Understand agile
and its use in
education



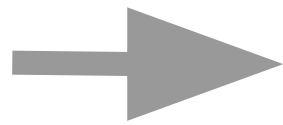
Be able to use
scrum to make
your team agile



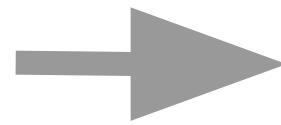
Pack a sprint

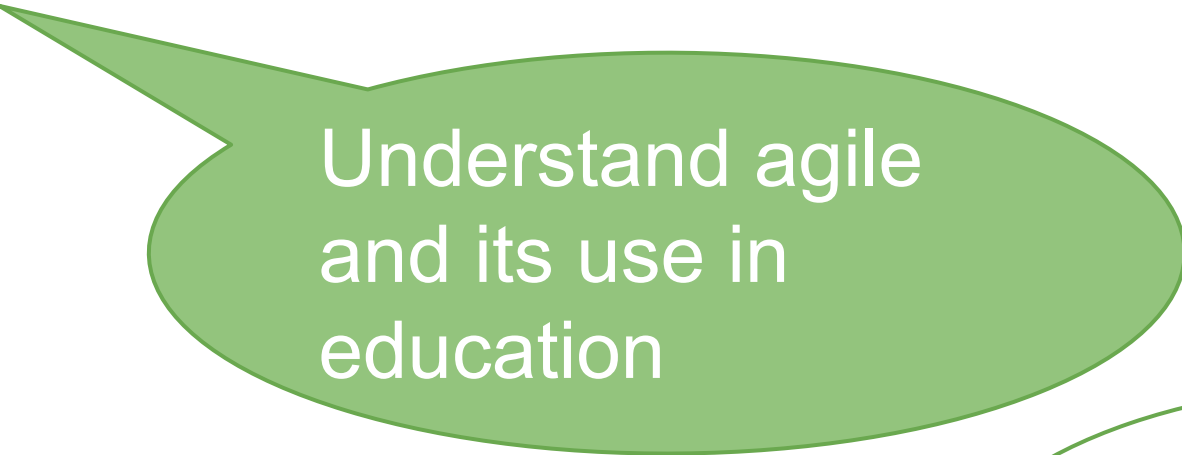
Our Objectives

Nice to meet you

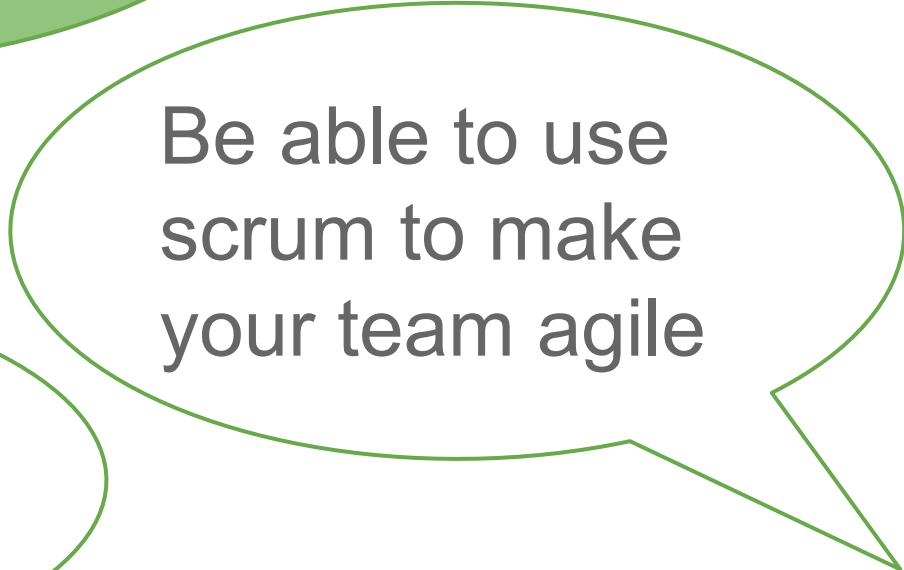


KIPP:





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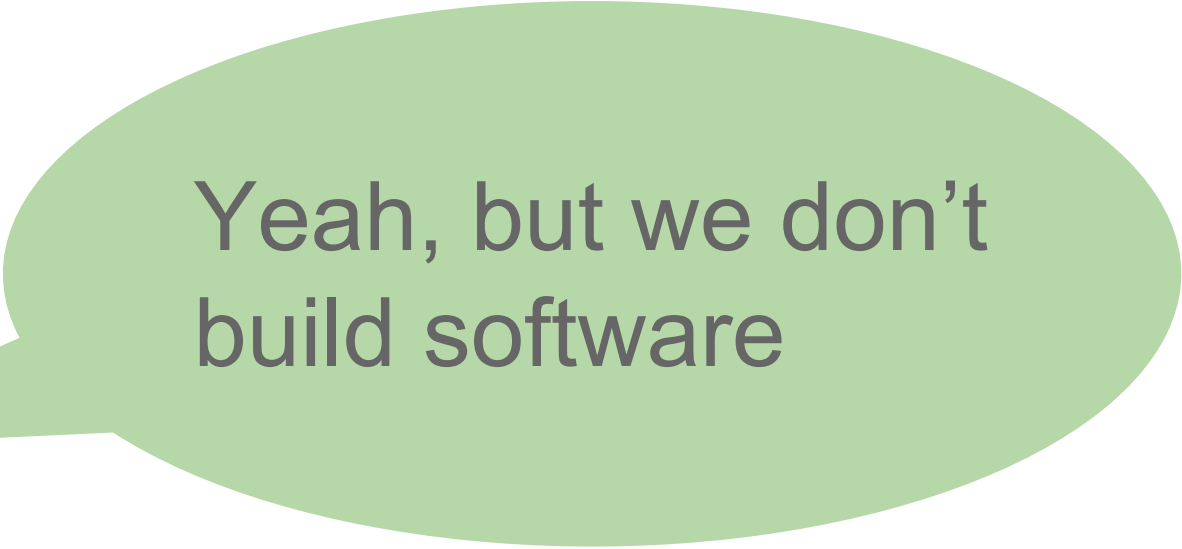


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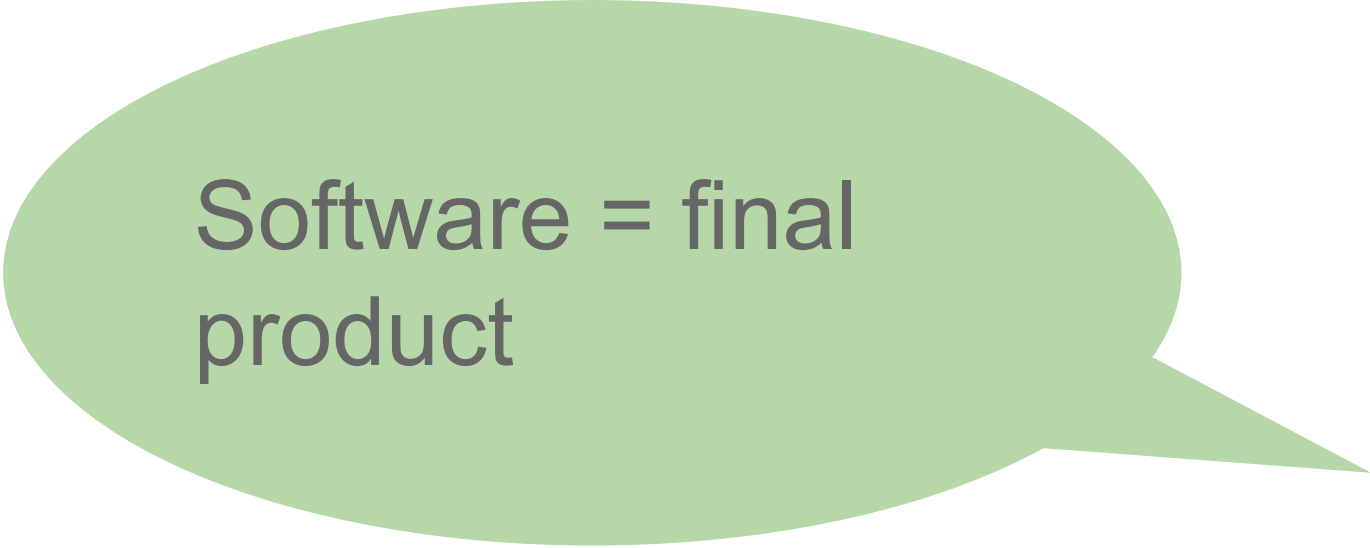
Our Objectives

What is “agile”?

- Software development method
- Values incremental building
- Iterate and adapt: learnings, feedback
- Team-based decisions



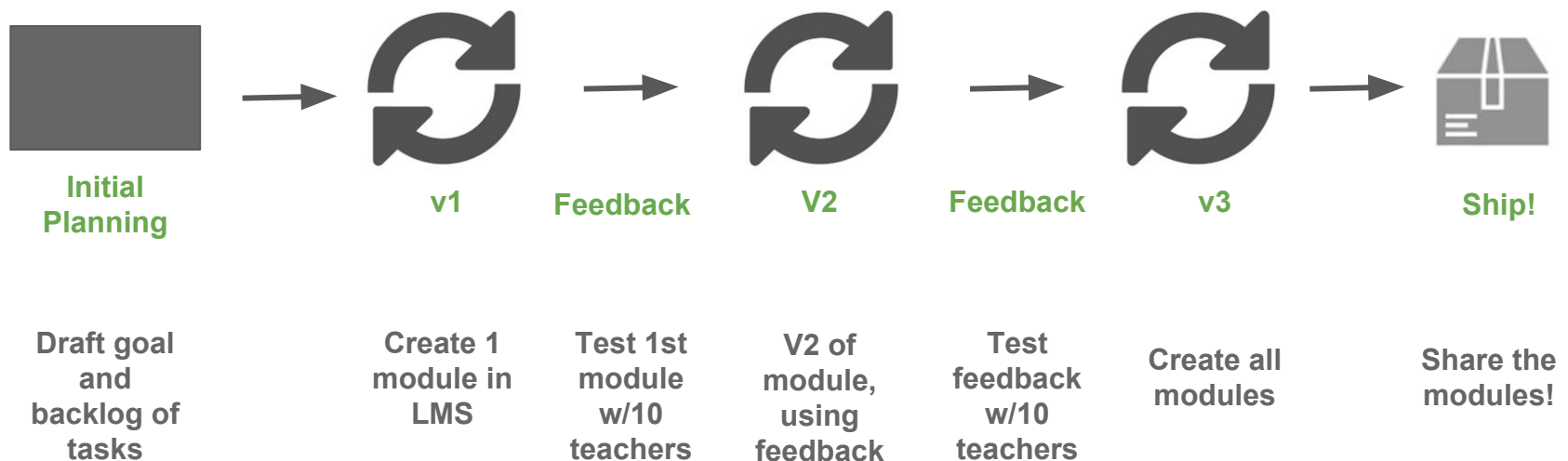
Yeah, but we don't
build software



Software = final
product

District Example:

“We need self-guided PD modules so people can build foundational knowledge about personalized learning.”



WATERFALL



AGILE



Deliverable Product



Chance of failure

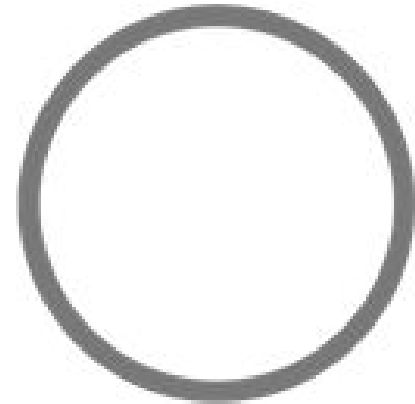
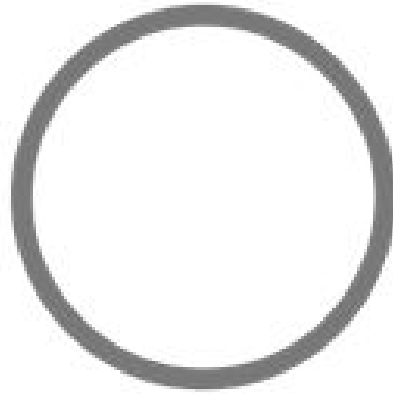


Project Run Rate

Agile development uses an iterative approach to reduce risk and create products that are "launchable" throughout development.

Reduce risk, increase value

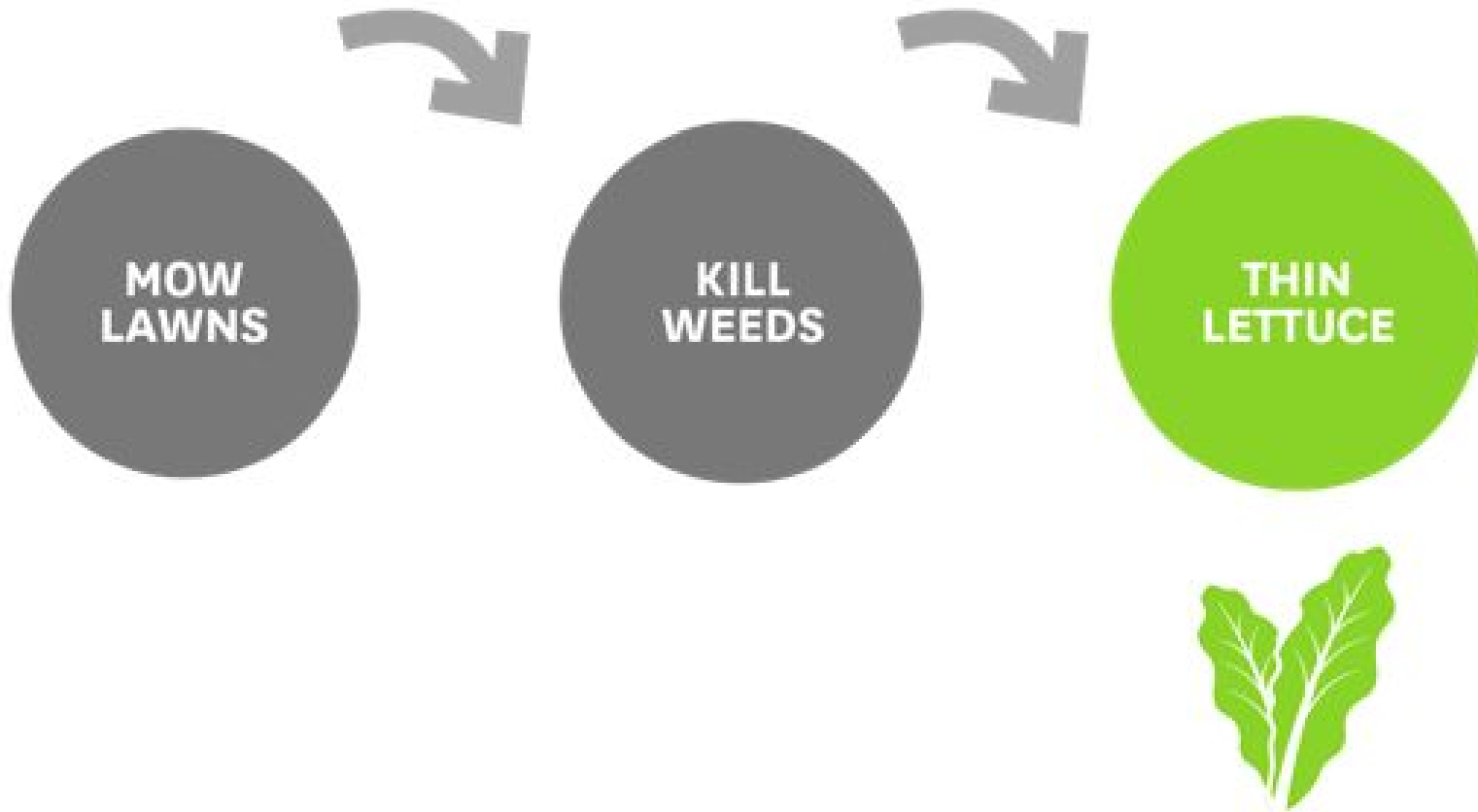
Blue River Technology



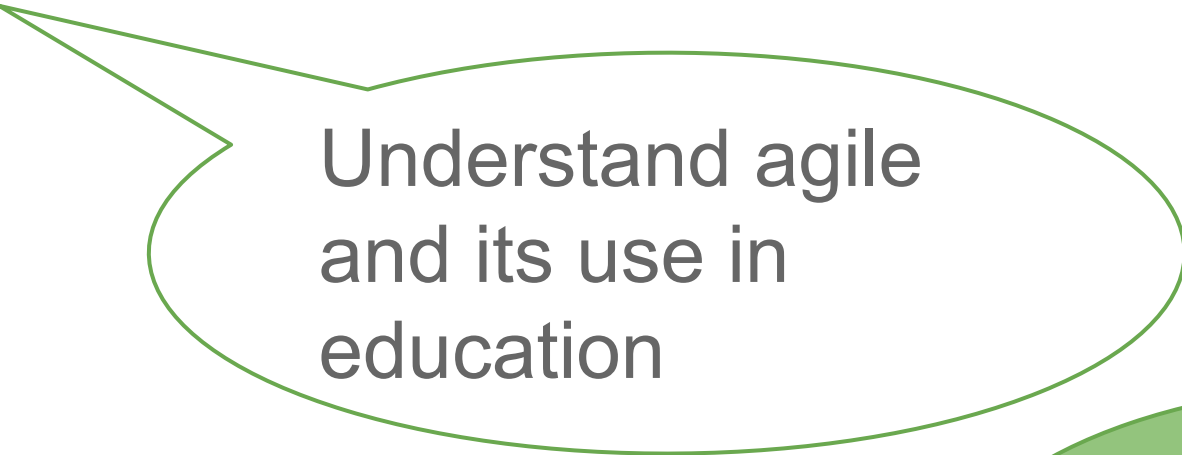
Blue River Technology



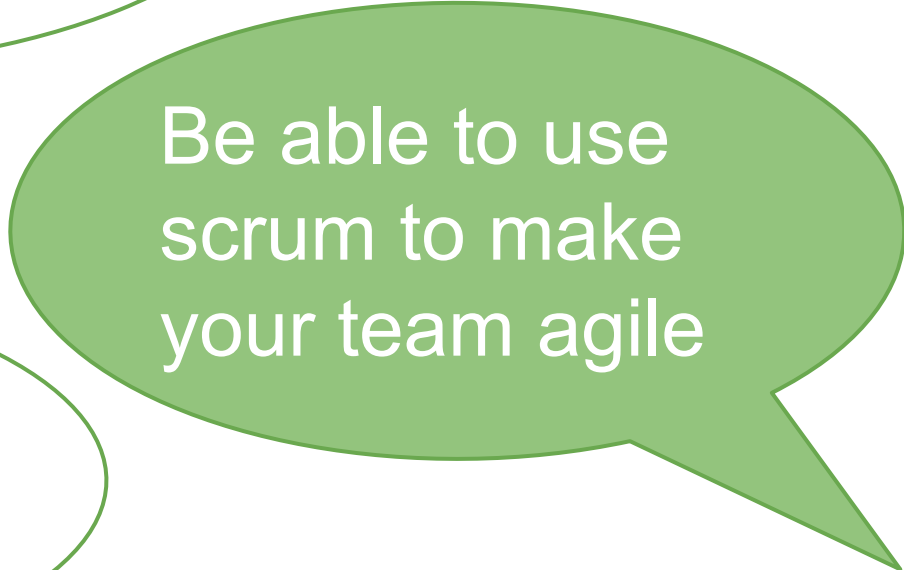
Blue River Technology



Think about some of the different needs across your district. Does it make sense to “go agile” for any of them?



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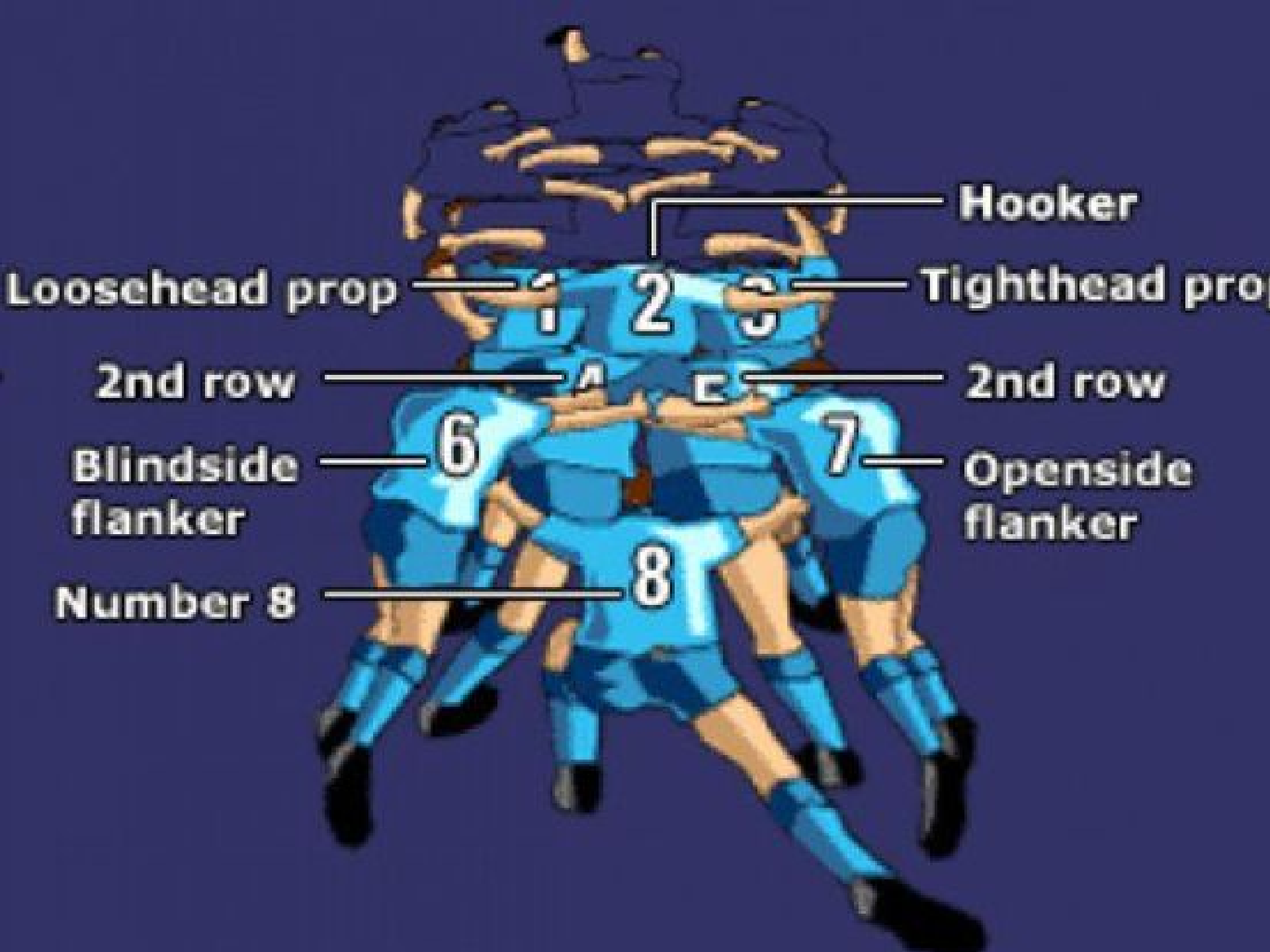


Be able to use
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your team agile



Pack a sprint

Our Objectives



Hooker

Loosehead prop

Tighthead prop

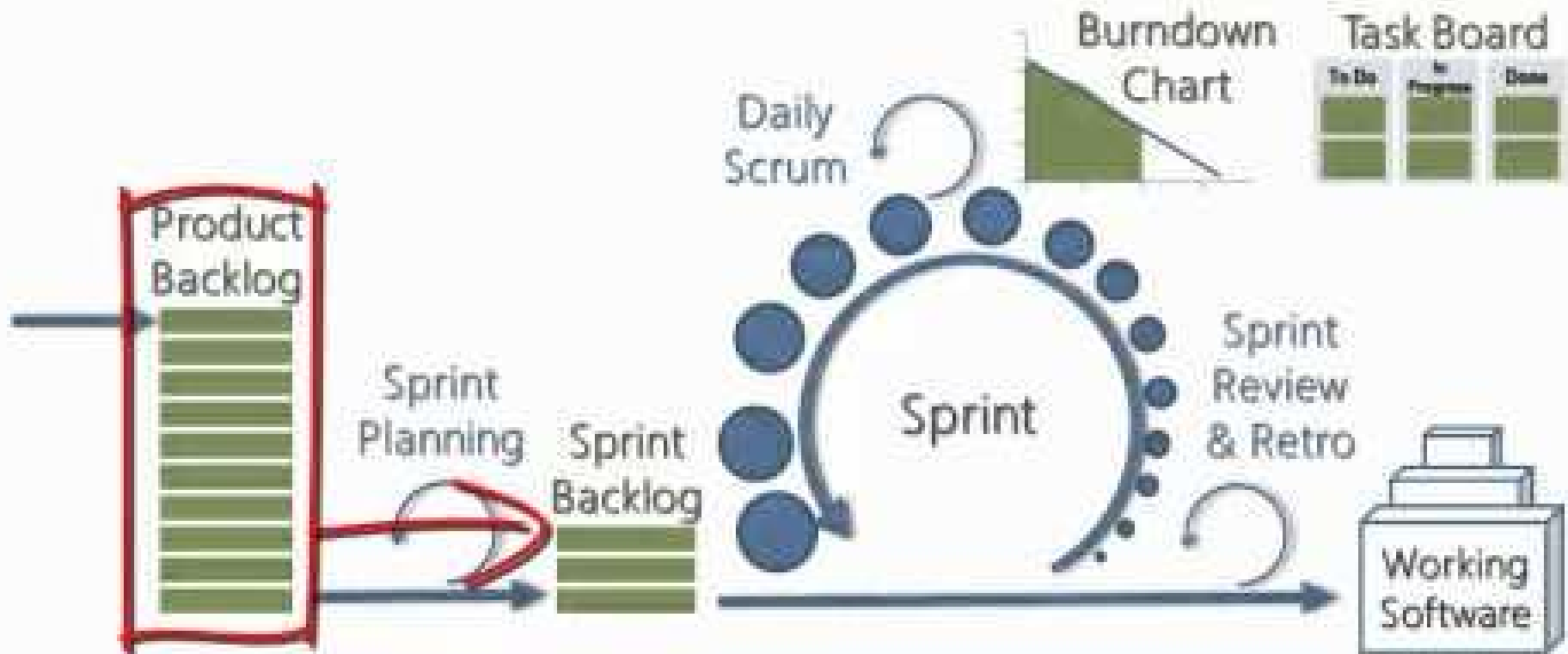
2nd row

2nd row

Blindsided flanker

Openside flanker

Number 8




Product
Owner


Scrum
Master


Team
Member

Scrum Roles



Product
Owner

Define vision and
roadmap, gathers needs,
gets feedback



Scrum
Master

Coaches team, facilitates
meetings, enforces scrum
practices



Team
Members

Involves everyone needed
to create the product, cross
functional

Scrum Artifacts

Product Backlog



Product Backlog

Prioritized list of user needs and tasks; “the work”

Sprint Backlog



Sprint Backlog

Short list of prioritized needs or tasks to be done during a sprint



Burndown Chart

Report that shows complete and incomplete work

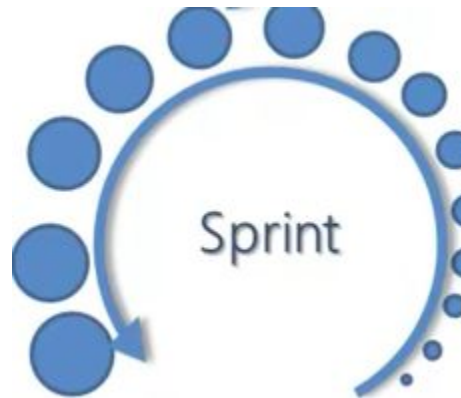
Scrum Ceremonies

Sprint
Planning



Sprint
Planning

Move items from backlog into sprint, based on priority and present knowledge



Sprint +
Daily Scrum

Set period of time to deliver item of value; share yesterday, today, blockers

Sprint
Review
& Retro



Review +
Retro

Present new item(s); reflect, what to improve next time

In a sprint, teams might create

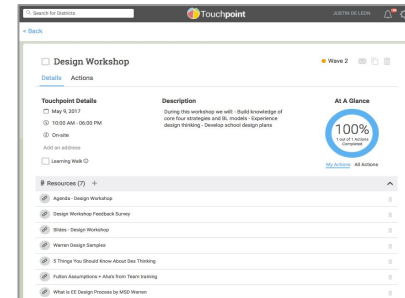
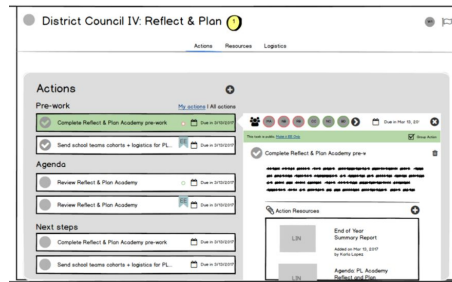
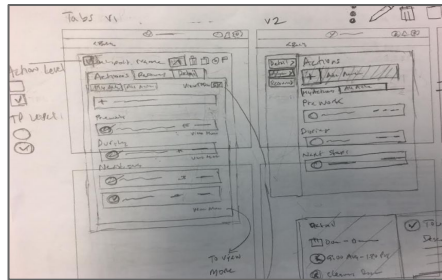
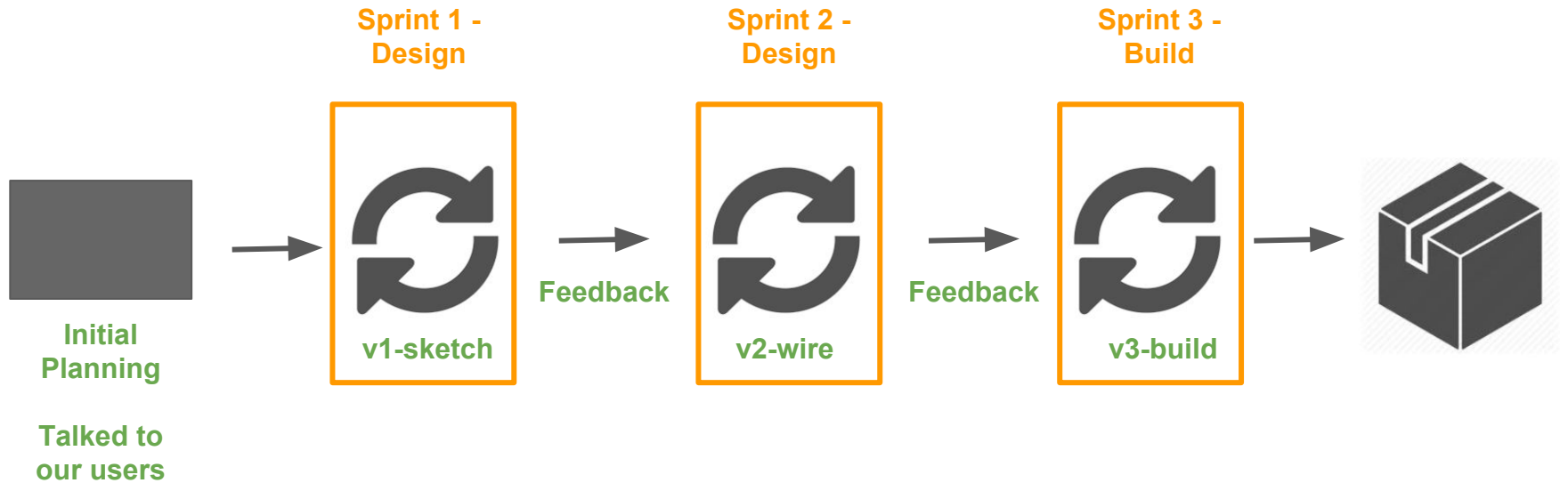
Software companies:

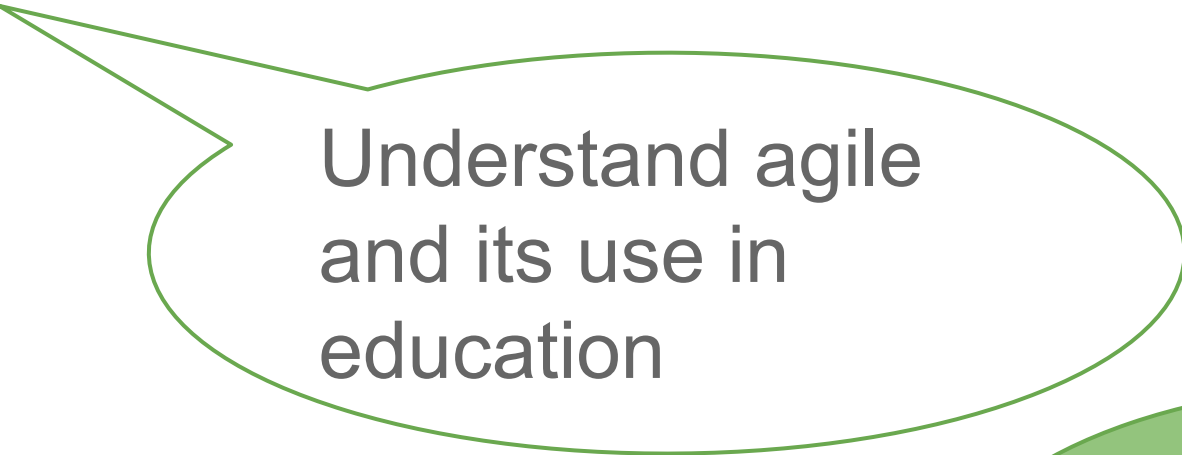
1. Facebook “like” button
2. Snapchat filter
3. Action list in Touchpoint

Schools and Districts:

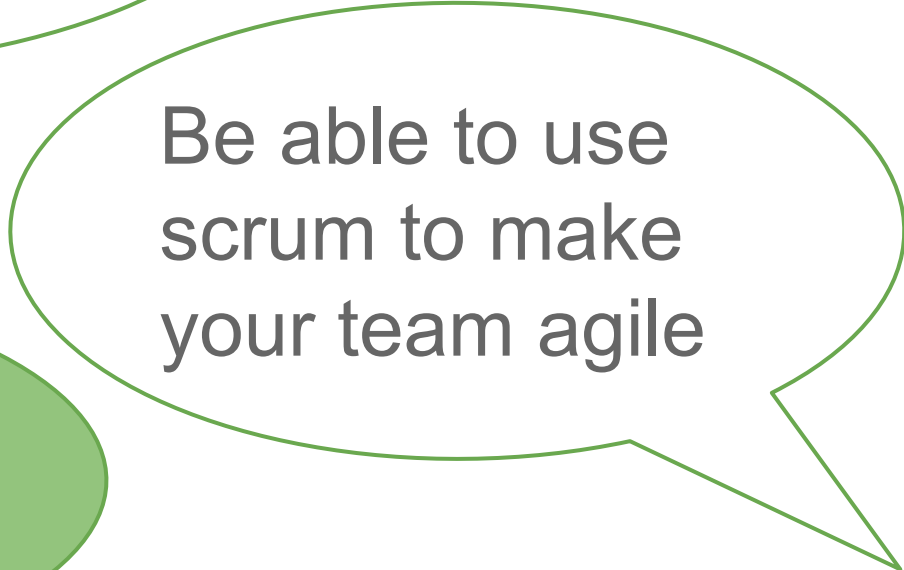
1. State test plan
2. School garden
3. PD modules

Sprints over time





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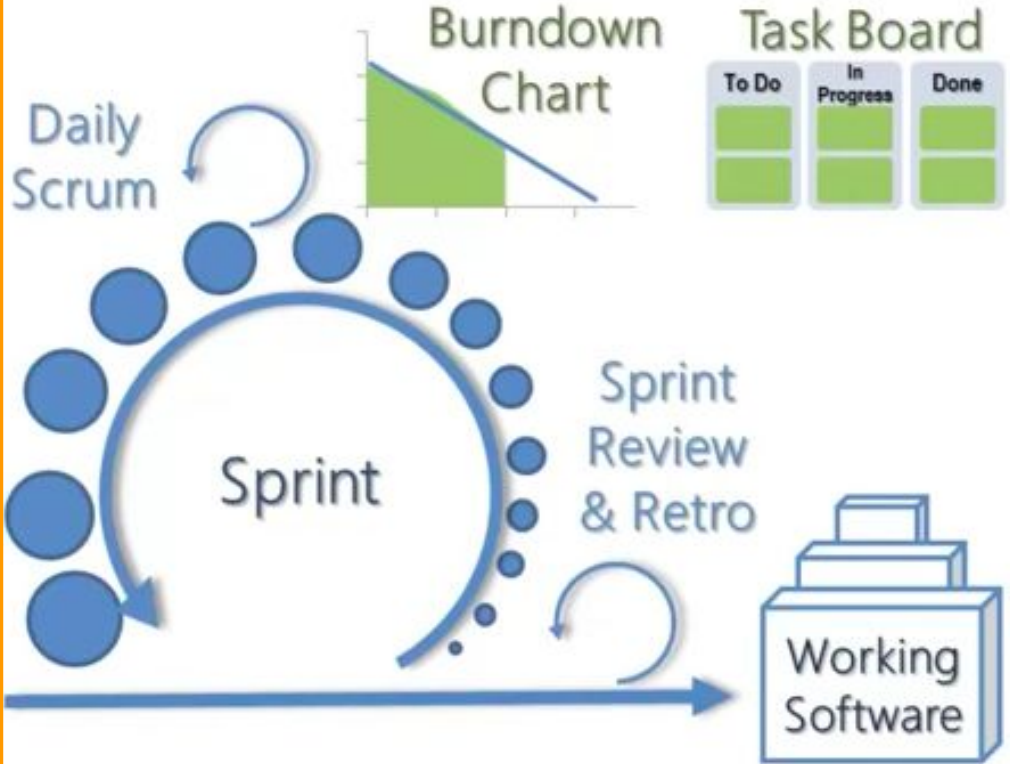
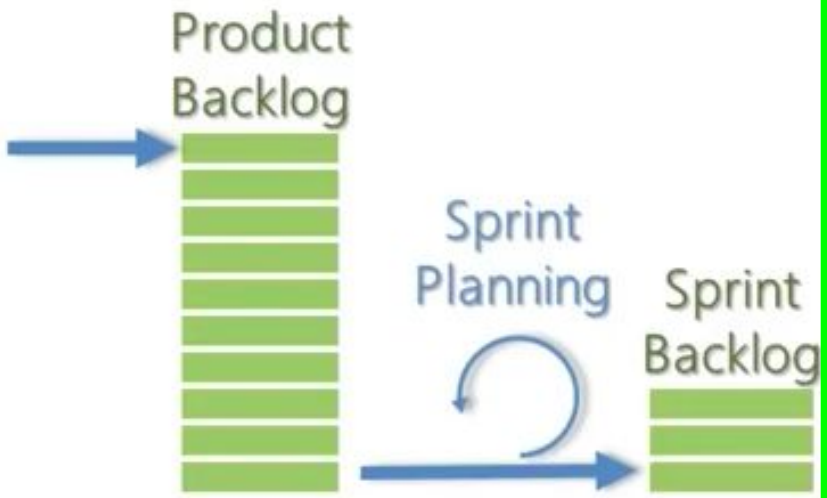
Pack a sprint

Our Objectives

Ok, we're going to apply this to your work now!

1. Goals - Draft goal(s)
2. Team - Set the sprint team and roles
3. Backlog - Write out all of the needs and tasks
4. Prioritize - Rank needs and tasks in priority order
5. Pack - Set sprint goal and tasks
6. Sprint - Do the work; meet daily

Today



Later

Create a sprint board w/your team

TEAM

SPRINT GOAL + DATES

BACKLOG

TO DO

IN
PROGRESS

DONE



1. What do you need to accomplish in the next 3-6 months? Make a list.
2. Put that list in priority order. There are no ties.

Examples:

- Touchpoint - Make it possible to add new actions in 3 seconds or less
- PD Module - Create self-guided curriculum for new PL teachers



1. Look at your top goal, choose everyone who should be involved
2. Choose a Product Owner (vision, needs, priorities, backlog)
3. Choose a Scrum Master (facilitates, removes blockers)
4. Choose team members (everyone needed to do the work)



1. Look at your top goal.
2. Write out all of the actions you can think of that would need to be done in order to hit that goal. Be open, creative and go big.
3. One action per post it.
4. If you get done quickly, on to your second goal.
5. Add these post-its to your backlog.



1. Groom the backlog. Place post-its in order of importance.
2. Consider dependencies--are there some actions you have to do first, in order to do the rest?
3. If you see duplicate or similar actions, consolidate them.



1. Write a short, 1 sentence sprint brief: At the end of this sprint our team will deliver _____, so that _____.
2. Move the post its into the “to do” column of your board.
3. Assign owners to each item.



Next Steps and Reflection

Next steps

- Complete your first sprint
- Put release date on your calendar!
- What else?

Understand agile's
use in education
setting

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Pack a sprint

**Did we meet our
objectives?**

#PLSummit

Reflect

- What challenges might you face, how will you get around them?
- How might scrum help your team?

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