Agile and SCRUM:

AGILE - Manifesto

* **Individual and interactions** over processes and tools.
* **Responding to change** over following a plan.
* **Working software over** comprehensive documentation.
* **Customer collaboration** over contract negotiation.

The 12 Principles of Agile Software Development: Download on Teams.

SCRUM Overview (Framework within Agile):

Three pillars of Empiricism:

* Transparency
* Inspection
* Adaptation

Empiricism: Means working in a experience and evidence based manner so progress is based on reality, not fictitious plans.

ROLES:

Product Owner:

Key stakeholder who should have deep understanding of the products and communicates with both the team and other stakeholders.

SCRUM Master:

Ensures the team keeps to the values of scrum, facilitates meetings and removes impediments.

SCRUM Team:

* Effectively 3-9 people
* All doing whatever it takes to complete the agreed tasks
* Everyone is not just committed, they are involved.

EVENTS:

The Sprint:

* Planning and development work
* Limited to 1 month (Planning horizon)
* No changes should be made that endanger the sprint goal

Sprint Planning:

* What can be delivered in the upcoming sprint?
* How will the work be done?
* Limited to 8 hours for a month long sprint or less if shorter sprint

Daily Scrum:

Optimising Team Collaboration:

* What did I do yesterday?
* What will I do today?
* Do I see any impediment?

Sprint Review:

Informal discussion about what was done during the sprint and to adapt the product backlog

Sprint Retrospective:

Create improvement plan

Review our previous sprint went

Timeboxed to 3 hours

Scrum Artefacts

Product Backlog:

* Contains all of the stories to be done to complete the entire product

Sprint Backlog

* Contains only the stories to be worked on in the current sprint.

Increment

* A piece of working software created in a sprint. The sum of all increments forms the whole product.

Burn up/burn down charts: Allows tracking of velocity

Definition of Done: Share agreement f what constitutes as ‘done’ for any story.