

**CMI**  
**Project Management Advanced Diploma**



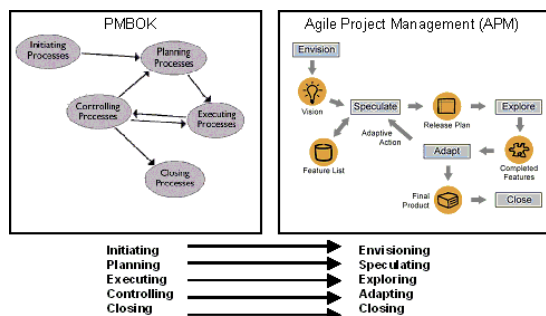
**Computers & PM – Josephine Coffey**  
**AGILE**

## Computers & PM – Agile

- Waterfall – traditional sw development methodology, plan driven
- Agile - iterative and incremental process of collaboration among developers and project stakeholders:
  - Scrum, XP, Crystal, ASD, ..

Computers & PM - Josephine Coffey

## PMBOK Project Management Process Groups mapped to Agile



## Traditional vs. Agile

- Command-and-control vs. self-organizing teams
- Following a plan vs. responding to change
- Emphasis on process & tools vs. individuals & interactions
- Comprehensive documentation vs. working software

### Basic Scrum Vocabulary

- **Sprint**-a 30-day focused effort
- **Product Backlog**-a constantly prioritized to-do list.
- **Sprint Backlog**- highest prioritized items from the product backlog
- **Scrum Master**-coach for the product management team and works to ensure the realization of the goals of the sprint
- **Product Owner**- represents the customer, responsible for prioritizing the backlog
- **Scrum Team**-5 to 9 people who self-organize, joint responsibility for the completed tasks

### The Scrum Process

- Create a backlog (prioritised)
- Sprint Planning Meeting
- Sprint schedule
- Sprint begins (15-30 days)
- Daily Scrum
- Sprint Review
- Repeat with new list of prioritized [tasks](#)

(<http://www.youtube.com/watch?v=HawdBAGz2fU>)

### Role of PM in Agile (APM)

- Removes blocking issues & impediments
- Facilitates and encourages effective and open communication
- Responsible for holding agile meetings
- Chief motivator and mentor role
- Does Not: overrule, direct, assign tasks, make decisions...

### Sample Exam Questions Week 6 Topics

- Discuss the purpose of filtering and sorting in project management.
- Discuss how priority rules can help with resource scheduling.
- Discuss the FOUR main groups of data that will need to be entered when using software for the first time for project planning and resource scheduling.

### Sample Exam Questions Week 6 Topics

- Describe the basic information that needs to be established at the outset for Calendars in computer scheduling.
- What constraints or restrictions can be imposed using a PM application, on when tasks can be scheduled?
- Discuss the typical data input errors in project management and give examples of each.