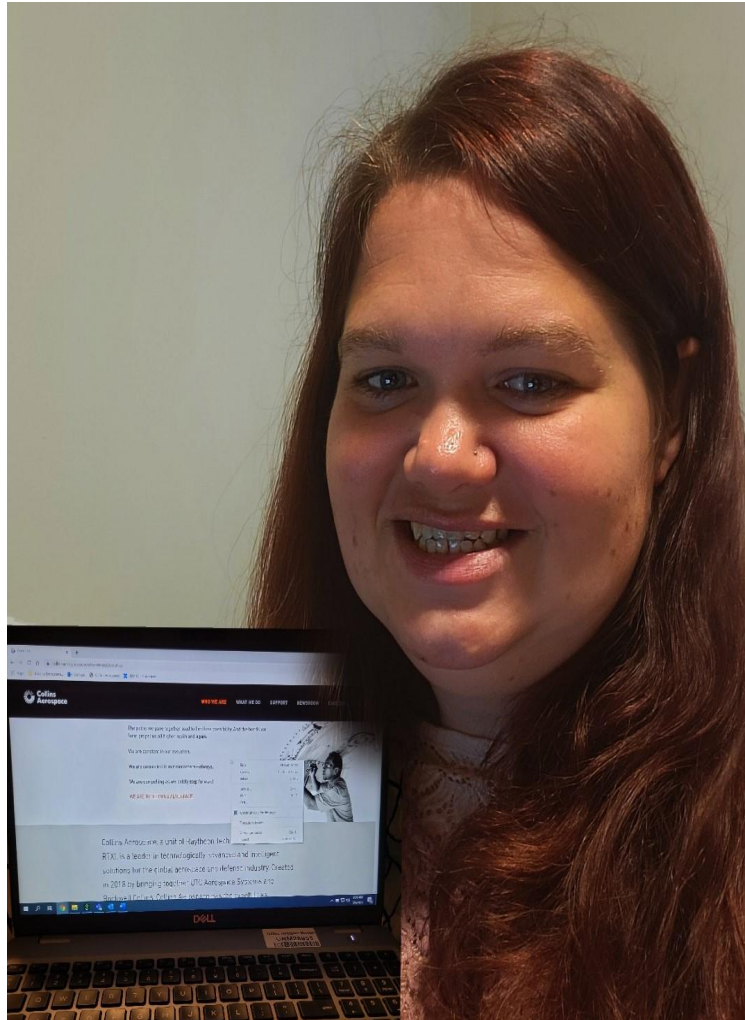# Being Agile

Heather Sherman

Business and Math Teacher

South Hardin High School

2021 extern at Collins

Aerospace in Cedar Rapids, IA

Collins Aerospace
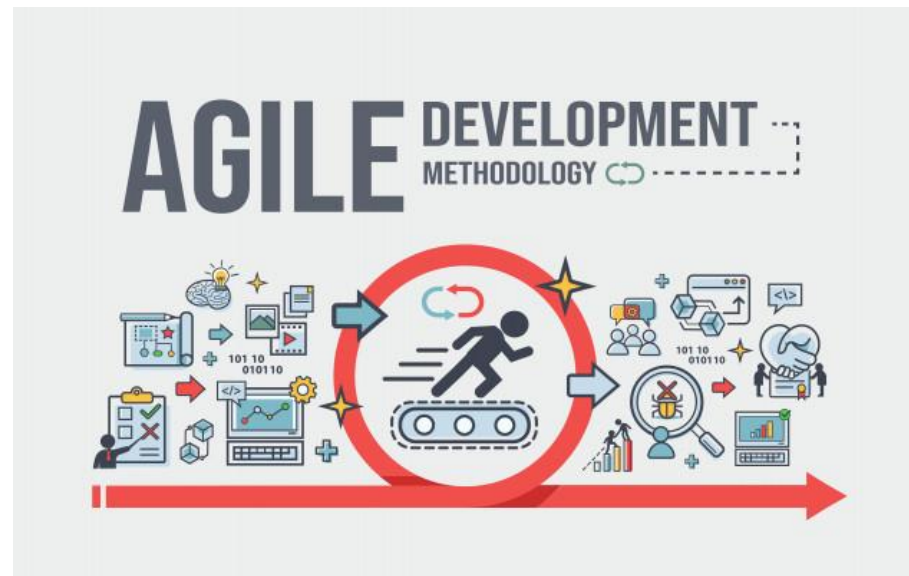
Part I: Overview of Workplace

- Unit of Raytheon Technologies Corp (2018-UTC Aerospace Systems and Rockwell Collins)
- 68,000+ Employees
- 15,000+ Engineering Workforce
- 300+ Sites Globally
- $19 Billion Net Sales (2020)
- Technologically Advanced & Intelligent Solutions
- Redefine Aerospace

Part II: Workplace Focus

- Agile
- Work Packages – Enterprise Rollout
- Communication – Onboarding
  - 600 Tools in 6 Months
- Project Configuration
- Avionics and Mission Systems
- JSM – (Jira Services Management)
  - Training Documentation

Part III: Introduce the Problem

- Students utilize Agile Development Methodology
    - Operational Challenges
    - Perfect Team Size
    - Agile Techniques
        - Requirement ⟶ Design ⟶ Development ⟶ Testing ⟶ Deployment ⟶ Review
- Visualize and Outline Tasks
- Common Board
    - Jira
    - Confluence
    - Trello
    - Kanban

Part IV: Standards, Driving and Essential Questions

- Iowa Core Standards
  - 21st Century Skills
    - 21.9-12.ES.1 : Communicate and Work Productively
    - 21.9-12.ES.4 : Demonstrate Initiative and Self-Direction
    - 21.9-12.ES.5 : Demonstrate Productivity
  - Technology Literacy
    - 21.9-12.TL.2 : Digital Media and Environments to Communicate
    - 21.9-12.TL.4 : Demonstrate Critical Thinking Skills
- Driving and Essential Questions
  - What operational challenges do teams face?
  - What is the perfect team size?
  - How can students use agile techniques for school projects?
  - What is the ideal iteration benefit?

Part V: Extern Host Role

- Matt McCormick- (Manager, Applications, & Infrastructure Services- Mission Systems)
    - Guest Speaker
    - Job Experience
    - Possible Partnership - Projects
- Carey Chesmore- (Jira Administrator-Mission Systems)
    - Guest Speaker
    - Ins/Outs Jira Software
- Genevieve Conwell (Specialist, Project Management, Support, Trainings, & Communications
    - Guest Speaker
    - Support, Training, & Communications

Part VI: Student Learning

- Project Layout
  - Team, Design, Challenges, Techniques
- Choose Common Board
  - Best for Their Team
- Agile Implementation
  - Processes

- Reflect and Revise
  - What is Working?
  - What do Differently?
- Value Beyond School

Kanban board

QUICK FILTERS: Major   Critical   Developer   Only My Issues   Stories, Epics and Spikes   Tests   ... Show more

SELECTED FOR DEVELOPME... 7   IN PROGRESS 4   CODE REVIEW 0   READY FOR TEST 0   DONE 0

No issues are currently visible
Check the board configuration