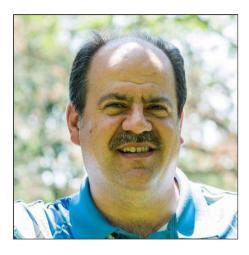


KNOWLEDGEPLAYBOOK.COM

JEFFREY A. MILLER

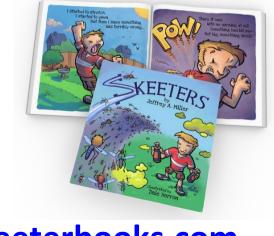




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- Full stack Microsoft developer
- Certified Neo4j developer
- Continuous Delivery lead
- Conference speaker
- Children's author ("Skeeters")
- Adoptive dad



skeeterbooks.com



SLIDE 1 OF 1 PRESENTATION intentionally LEFT BLANK



WITHIN A TRIBE but

UNKNOWN OUTSIDE -

Wikipedia

IMAGINE YOU'RE DOING IT WRONG!!



ARE YOU FEELING... EMBARASSMENT? FRUSTRATION?

ANGER?

#TRIBAL_KNOWLEDGE_FAIL



STOP -ITS NOT YOUR FAULT!

THE PROBLEM



LEAKS WILL COST YOU

- Waiting for answers
- Introduction of defects
- Outages
- Non-adherence to standards
- Rework

WHEN DO LEAKS HAPPEN?



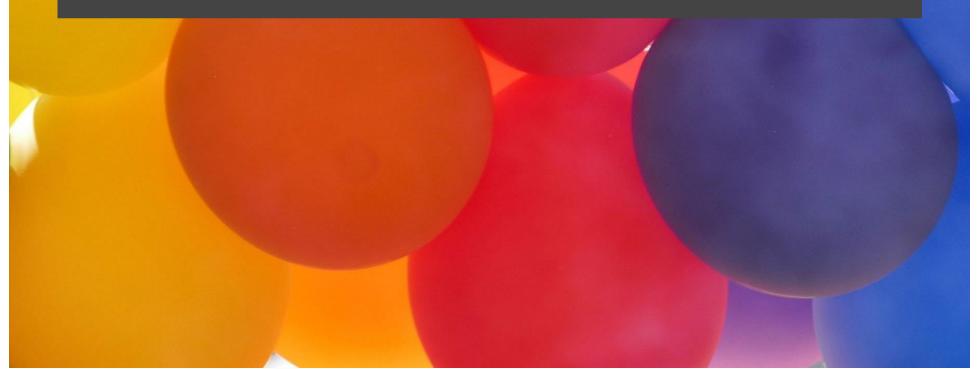


YAY! PROMOTION!





RETIREMENT





VACATION!

OR NIGHTMARE?

OR WORSE ...

PASSED AWAY SUDDENLY

WHY THIS IS HARD

You can't know everything Tacit knowledge is hard to transfer Sometimes experts can't teach Misconceptions about "Agile" and documentation

NO SILVER BULLETS

WHATS IN THE WAY?

WHY WE DON'T DO IT Not enough time

- Past failures/apathy
- Memory fades, urgency fades
- □ Team/management resistance
- □ Interruptions, lunch
- **NO SILVER BULLETS**

TOO MANY HATS!

THE SOLUTION? LETS NOT DO THIS AGAIN



IMAGINE ... YOU'RE SMILING!!??



My Plan:

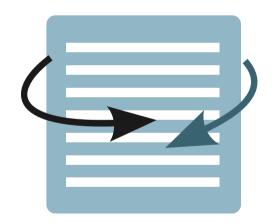
CREATE A KNOWLEDGE PLAYBOOK

WHAT'S IN IT?

- ✓ Situational guidance✓ Reference material
- ✓ Checklists
- ✓ Templates
- ✓ Questions
- ✓ KIT = Keep It Together

KNOWLEDGE BASE -PICK ONE

- OneNote or Wiki
- □ Found references
- Troubleshooting notes
- Pick one, stick with itDo it now



https://wikimatrix.org/

WHY WIKI WORKS

- ✓ Participation is welcome by default
- ✓ Information is *more discoverable*
- ✓ New content is *introduced easily*
- ✓ Out-of-date content is *easily updated*
- ✓ Intent is *expressed* before *action*

KNOWLEDGE

WORTH CAPTURING

STRATEGY: START WITH YOURSELF

Personal capture methods turn ideas into action!

PERSONAL CAPTURE

Paper: Notebook or Journal



PERSONAL CAPTURE

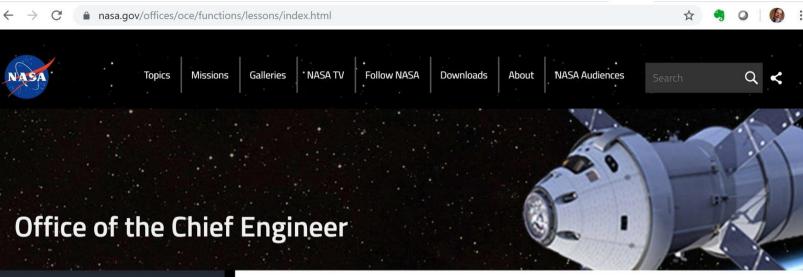
- Paper: Notebook or Journal
- OneNote or EverNote
- Simple Word docs
- Whiteboard photos
- Mind maps (Freeplane!)
- □ Snaglt (\$) or Greenshot (free)

STRATEGY:

MAKE

RETROSPECTIVES COUNT

NASA LESSONS LEARNED



Home About Functions Divisions Lessons Learned Documents Related Topics All Topics A-Z

NASA Lessons Learned

The NASA Lessons Learned system is a database of lessons learned from contributors across NASA and other organizations. It contains the official, reviewed learned lessons from NASA programs and projects. Its varied contents are sought by thousands of visitors a month who represent a multitude of disciplines including science, engineering, education, manufacturing, and project management.

The system and its content are managed by the NASA Lessons Learned Steering Committee (LLSC), composed of members from all NASA



The NASA Lessons Learned system includes lessons learned from the loss of the Space Shuttle Columbia

Centers. The Lessons Learned system curator, who serves under the direction of the LLSC Chairperson, has operational responsibilities for the system.

The Lessons Learned system contains a growing database, with lessons added on a fairly regular

TIP: NAME YOUR LESSONS ARTICULATE THEM, IN WRITING DEBRIEF YOURSELF (QUICKLY!)

DON'T LET A BAD PROJECT BE VAGUELY BAD. NAME THE PROBLEMS.

USE RETRO RESULTS IN PLANNING

Review past retrospectives after each release and each quarter. Put worthwhile changes on the backlog.

STRATEGY: BLAMELESS POSTMORTEMS

STRATEGY: IMPROVE YOUR **ONBOARDING**

UHAUL

ONE-WAY & IN-TOWN MOVES

DRIVE A U-HAUL LATELY?

UHAUL

ONE-WAY & IN-TOWN MOVES

THE TALE OF TOW-HAUL MODE

WHAT'S THIS LIGHT?

WHAT'S THIS BUTTON?

GOOGLE SEARCH: "TOW/HAUL"

SITE:UHAUL.COM

GOOD SERVICE. TRUCK WORKED OK,

...THE LIGHT FOR TOW/HAUL WAS ON THE ENTIRE TIME.

CLEARER INSTRUCTION ON THE HOW AND WHY OF "TOW/HAUL" INDICATOR LIGHT.

IT POPS ON AS A DEFAULT AND GREATLY INCREASES GAS CONSUMPTION IF ONE ISN'T HAULING A TRAILER OR PULLING A CAR. THE STAFF WAS FRIENDLY ...

I WISH THE TOW/HAUL FEATURE

WOULD HAVE BEEN EXPLAINED TO ME

IN THE BEGINNING.

I GOT INTO THE TRUCK AND STARTED IT, THE TOW HAUL LIGHT WAS ON,

I CALLED THE OFFICE BEFORE I LEFT...TO ASK WHAT THE LIGHT WAS ON FOR?

...THE MAN IN THE OFFICE EXPLAINED IT TO ME...

Without making me feel stupid

ONBOARDING ADVICE

- □ Always think like "the new guy"
- Consider the perspective of others
- Work together to update the docs
- Create a record...or *recording*!

BOOKMARKS ARE A NEWBIE'S BEST FRIEND

- Googling is fun, but it's expensive
- Examples of good bookmarks:
 - SharePoint docs you've found
 - Internal resources
 - Timesheet system
 - Help Desk/Service Requests
- Easy to do, export/import works!

UNDISCOVERED TREASURE

IS WORTHLESS

DEMO YOUR DOCS AND TOOLS

Share what you've created during iteration reviews to help spread the word to the your team. Way to go!

DISCOVERABILITY

- Put things where they can be foundSpell correctly
- Avoid acronyms and jargon
- □ Make links from other places
- Pick good stand-alone titles

BIG & VISIBLE

Make sure the team has the best chance of seeing need info.

Posters for the win!

KNOWLEDGE WORTH SAVING

STRATEGY:

SCAVENGER HUNT A.K.A "ARCHAEOLOGY"



TOUR GUIDES CAN HELP (IF YOU CAN FIND THEM)

SHAREPOINT

"Where information goes to die!"

JUST KIDDING (MOSTLY)

STRATEGY:

SCAVENGER HUNT: RAID SHAREPOINT

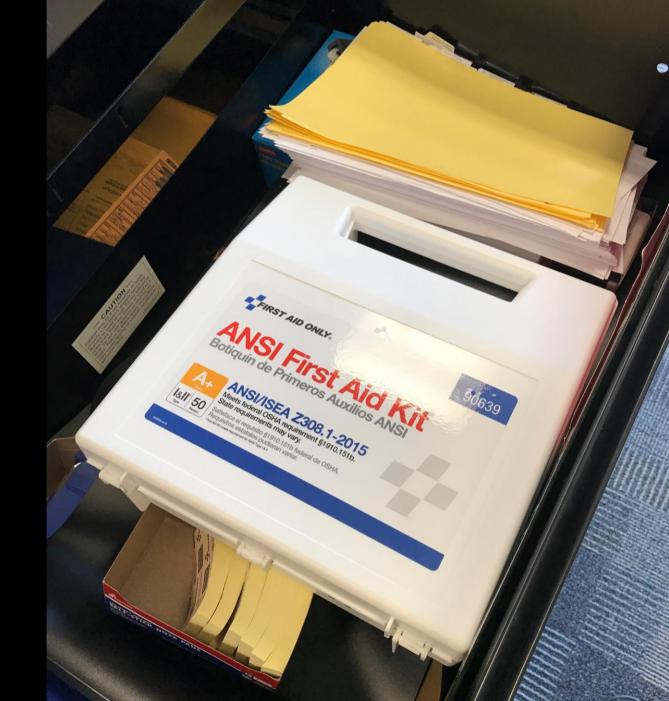
STRATEGY:

SCAVENGER HUNT: MINE YOUR HARD DRIVE

STRATEGY: TRANSFORM EMAIL

First Aid kit?

"I sent out an email"



EMAIL WOES

- long, messy threads
- read? who knows?
- cluttered mailboxes
- retention limits

MAKE EMAIL WORK

Create smart categories:
Knowledge Base and *Onboarding* Create *Quick Steps* for quick filing
Create *Search Folders* to find fast

SEARCH FOLDERS

Use your Favorites

AND WORK!

Automate common responses and infrequent requests

Use email signatures for common copy

Send to OneNote can work wonders

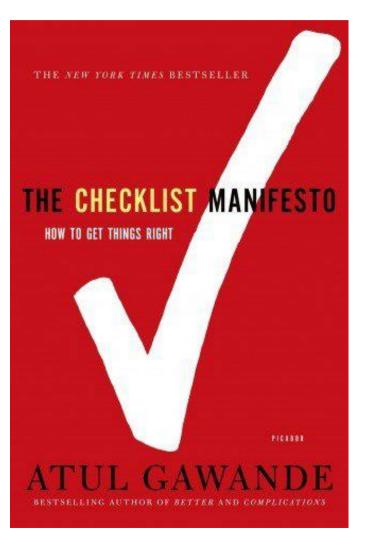
STRATEGY: USE CHECKLISTS

Checkins

5 conserv

by Atul Gawande







· · · ·

e induction of anaesthesia **FFFFFFFF** Before skin incision **FFFFFFFFFFFFFFF** Before patient leaves operating r

N IN

PATIENT HAS CONFIRMED

- IDENTITY
- SITE
- PROCEDURE
- CONSENT

SITE MARKED/NOT APPLICABLE

ANAESTHESIA SAFETY CHECK COMPLETED

PULSE OXIMETER ON PATIENT AND FUNCTIONING

DOES PATIENT HAVE A:

KNOWN ALLERGY? NO YES

DIFFICULT AIRWAY/ASPIRATION RISK? NO YES, AND EQUIPMENT/ASSISTANCE AVAILABLE

RISK OF >500ML BLOOD LOSS (7ML/KG IN CHILDREN)? NO YES, AND ADEQUATE INTRAVENOUS ACCESS AND FLUIDS PLANNED

TIME OUT

- CONFIRM ALL TEAM MEMBERS HAVE INTRODUCED THEMSELVES BY NAME AND ROLE
- SURGEON, ANAESTHESIA PROFESSIONAL AND NURSE VERBALLY CONFIRM
 - + PATIENT
 - SITE
 - PROCEDURE

ANTICIPATED CRITICAL EVENTS

- SURGEON REVIEWS: WHAT ARE THE CRITICAL OR UNEXPECTED STEPS, OPERATIVE DURATION, ANTICIPATED BLOOD LOSS?
- ANAESTHESIA TEAM REVIEWS: ARE THERE ANY PATIENT-SPECIFIC CONCERNS?
- NURSING TEAM REVIEWS: HAS STERILITY (INCLUDING INDICATOR RESULTS) BEEN CONFIRMED? ARE THERE EQUIPMENT ISSUES OR ANY CONCERNS?

HAS ANTIBIOTIC PROPHYLAXIS BEEN GIVEN WITHIN THE LAST 60 MINUTES?

- YES
- NOT APPLICABLE

SIGN OUT

NURSE VERBALLY CONFIRMS WITH THE TEAM:

- THE NAME OF THE PROCEDURE RECORD
- THAT INSTRUMENT, SPONGE AND NEED COUNTS ARE CORRECT (OR NOT APPLICABLE)
- HOW THE SPECIMEN IS LABELLED (INCLUDING PATIENT NAME)
- WHETHER THERE ARE ANY EQUIPMENT PROBLEMS TO BE ADDRESSED
- SURGEON, ANAESTHESIA PROFESSIONA AND NURSE REVIEW THE KEY CONCERN FOR RECOVERY AND MANAGEMENT OF THIS PATIENT

EFFECTIVE CHECKLISTS

- Stick to one page
- Use natural "pause points"
- Use dark text on a light background
- Are not a tutorial
- Protect against mistakes
- Use the right type:
 - Read-Do vs. Do-Confirm

STRATEGY: AUTOMATE YOUR **KNOWLEDGE!**

- Database view that demonstrates a problem
- Confirms the current state
- Contains troubleshooting info

TEMPLATES

mailto: links can do more!

- Include a subject & body
- Embed them in documents
- **Code generation**
- Code snippets, keystrokes, macros

Common AND infrequent requests

STRATEGY: ASK POWERFUL QUESTIONS

STOP LEAVING OTHERS OUT!

ASK: WHO HAVE I MISSED?



ASK: WHAT DID WE DO LAST TIME?



LUNCH-AND-LEARN

- ✓ Learn something new
- Demonstrate your learning
- ✓ Practice your speaking skills
- ✓ Build buy-in for new tech
- ✓ Duh…Lunch!

INVEST IN OTHERS

Blog about it & build an audience
Release examples on Github
Answer Q's on Stack Overflow
Use social media to help seekers

TDD + PAIR PROGRAMMING

Writing tests together increases your bus number...*fast!*

PULL REQUESTS+ CODE REVIEWS

GitHub Enterprise & Azure DevOps can enforce a pull request/code review model. Great idea!

NOW WHAT?

- **Start now**
- **Given Start small**
- □ Start with yourself
- Up your game!
- Make something great
- □ Share with others
- Build momentum

ATTIUDE?

18 Then I hated all my labor in which I had toiled under the sun, because I must **LEAVE IT TO THE MAN WHO WILL COME AFTER ME**.

19 And WHO KNOWS WHETHER HE WILL BE WISE OR A FOOL? YET HE WILL RULE OVER ALL MY LABOR ... This also is *vanity*.

King Solomon - Ecclesiastes 2:18-19 (NKJV)

STOP MAKING EXCUSES!

LONER?

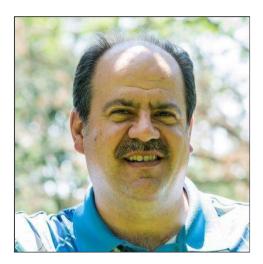
OR LEADER?

LEAVE IT BETTER!

Try to LEAVE THIS WORLD A LITTLE BETTER THAN YOU FOUND IT and, when your turn comes to die, you can die happy in feeling that at any rate YOU HAVE NOT WASTED YOUR TIME but have DONE YOUR BEST.

Robert Baden-Powell

Slides at: KNOWLEDGEPLAYBOOK.COM



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Check out *Skeeters*: skeeterbooks.com

