Literacy, social skills and the fourth industrial revolution
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Professor Lesley Farrell
Dr Chris Corbel
MGSE
University of Melbourne
• the ‘autonomous’ model of literacy’ works from the assumption that literacy in itself – autonomously – will have effects on other social and cognitive practices (Street 2000 p. 7).

• the ideological model of literacy ‘starts from different premises than the autonomous model – it posits instead that literacy is a social practice, not simply a technical and neutral skill ... It is about knowledge: the ways in which people address reading and writing are themselves rooted in conceptions of knowledge, identity, being’ (p. 8).
Smoothed Changes in Employment by Occupational Task Intensity
1980-2012

100 x Change in Employment Share

Occupation's Percentile in 1980 Wage Distribution

- Low Math, Low Social
- High Math, Low Social
- Low Math, High Social
- High Math, High Social
Industrial Revolution 4.0

1st
Mechanization, water power, steam power

2nd
Mass production, assembly line, electricity

3rd
Computer and automation

4th
Cyber Physical Systems
Problem Solving Rating Procedure

4) Is there effective use of structured problem-solving (e.g. 8D)?
Are root causes determined and verified?
(0) No problem solving. There is no evidence of structured problem-solving.

(1) Only for the customer. Structured problem-solving is used, but only at the request of the customer.

(2) For internal issues. Structured problem-solving is used for internal problems such as those identified in [the manual] as well as for external problems.
(3) Use of teams and tools. Structured problem-solving employs team participation and all of the basic problems solving tools are consistently used. Full cross functional teams, is/is not analysis, fish bones flow charts, and prioritisation tools are effectively used.

(4) Analysis system Structured problem solving analyses are supported with data and dates for problems occurrence, containment, root cause identification and verification, permanent corrective action implementation and preventative action implementation. The structured problems solving tools utilised includes a detailed verification plan which closes the loop on root cause resolution.

(5) Advanced statistical methods As per (4) and advanced statistical methods such as D.O.E.s are regularly used in team problem-solving.
Matt: I think, Bill, you’ve gone a fair way too on a couple of yours haven’t you?

Bill: Yeah. Me and Margaret, yeah, got together and I’ve worked out quite a bit of lost downtime and costing unloading.
Margaret: But what we talked about last time, though, was that it really had to be set down so what I’ve done is write down.

Bill: Yeah yeah.

Margaret: Your name and Nick who had been involved in talking about some of it too and Bashir.

Bill: Yeah.

Margaret: Now I did have Yuan but you, you felt that he’s not in that area now.

Bill: No.
Margaret: So you prefer to have Chris.
Bill: Yeah.
Margaret: And Matt, your name was now put on to that one as well.
Margaret: So that’s a bit of a way that things are operating though, so we haven’t really started off with a team that’s taking responsibility for it so I guess in a way it’s um evolving as it goes.
Sally: Well, um, mm. Yes.
Sally: and is, is there actually a group involved with doing that or [yourself]?

Bill: No, because I find it’s too awkward for Margaret if she’s talking to individual people, people that’s only been there nine months.

Sally: Yeah.

Bill: so they don’t know [what] they’re talking about half the time and they’re giving Margaret the wrong information so I said to Margaret it’s better if she comes to me and I can give her the right times and all this you know.

Sally: Yep Yep.
Sally: To what extent are you following the framework of that, that 8 step guideline that Andy [human resource manager] put out originally in that, in the book where particularly step 7 where it's got the action plan and it's got um Who? When? Where? and so on. Are you using those at all?

Bill: No, I’m just using this one [points to his head].

...

Sally: Ah, yeah.

So [are] you following that paperwork there?
Bill: Yeah. I don’t know. Are you Margaret? [loud laughter]  
Sally: I’m sorry, I’ve asked the wrong person.  
Bill: I’m just writing it all out and giving it to Margaret. That’s all.  
Margaret: I’ll give you an example. This is one that we are working on, that, um, Bill’s talking about.
• Workforces are all global workforces
• Texts regulate relationships between people and between people and organisations, across global webs of production
• The textualisation of work regulates working identity and working relationships unobtrusively as well as obtrusively
• ‘Text mediated relations are the forms in which power is generated and held in contemporary society (Dorothy Smith 1999: 79)
24 days, after the initial systems integration test revealed several structural flaws, the Local
community and team have re-focused their efforts to completely re-engineer the Zelator. We have
done over half of the “path to flight” check list and on November 21st, 2016, we successfully
are several steps closer to flying a functional Zelator. Engage the community below, and
bring a flying Zelator to the world by November 30th!

Project Needs

**Problem Statement**

The first flight for our ACDC prototype drone failed for four main reasons. Download and read the full report from Airbus (available in the discussion thread below) and then add your thoughts.

**How You Can Participate**

Let’s work together to co-create solutions for the four main issues and get the Zel to have a successful flight. Join the brainstorm to add your solutions.
Another option could be 3-bladed props. That would need less hardware modding I guess and you should still get higher responsiveness.

I still think you really don't need that much. I'd start on the more efficient (large prop) side of the equation and see if I have too many close calls for comfort. If that is the case it is of course good to have several options one could pursue.

@nowbreakit, I think you hit the nail on the head with your comment about smaller, duplicated props. There are issues we've seen in the last few days that could be mitigated by your suggestion. This design technique could be integrated into future iterations.

Our ground station plotted the real-time output from the 3-axis accelerometer in the flight controller. @suavx noted that vibes below 30 are normal and expected for standard operation like
References

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