

# Intelligent Book Workshop Cheet Sheet

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<https://bit.ly/dans-book-workshop>

## Setup

```
$ mkdir ~/projects  
$ cd projects  
$ git clone https://github.com/dmccreary/clause-skills  
$ export BK_HOME=$HOME/projects/clause-skills  
$ cd clause-skills/scripts  
$ ./bk-install-scripts  
$ ./bk-install-skills  
$ cd ~/projects  
$ git clone https://github.com/GITHUB_ID/BOOK_REPO  
$ cd BOOK_REPO  
$ claude
```

## Book Levels

- L5: Autonomous
- L4: Chatbot
- L3: Adaptive Textbook
- L2: Interactive Textbook
- L1: Static Textbook

Today

## 2001 Bloom Taxonomy



- Create
- Analyze
- Evaluate
- Apply
- Understand
- Remember

## Sample Book Generation Skills

```
> /skill install-mdocs-template  
> /skill course-description-analyzer  
> /skill learning-graph-generator  
> /skill install-learning-graph-viewer  
> /skill book-chapter-generator  
> /skill chapter-content-generator chapter 1  
> /skill glossary-generator  
> /skill faq-generator  
>/skill quiz-generator  
> /skill reference-generator  
>/skill linkedin-announcement-generator
```

## Sample MicroSim Skills

```
> /skill microsim-p5  
> /skill mermaid-generator  
> /skill microsim-vis-network  
> /skill chartjs-generator  
> /skill timeline-generator  
> /skill map-generator  
> /skill math-function-plotter-plotly  
> /skill causal-loop-microsim-generator  
> /skill microsim-matcher  
> /skill microsim-screen-capture  
> /skill readme-generator  
> /skill microsim-standardization
```

## Sample BK Scripts

- |  |  |
|--|--|
| 1. bk                                    | Build/Book utilities menu                              |
| 2. bk-analyze-skill-usage                | Skill usage analysis report (minutes, tokens)          |
| 3. bk-capture-screenshot                 | Capture a screenshot of a MicroSim using Chrome        |
| 4. bk-check-loops                        | Check for loops/cycles in a learning graph             |
| 5. bk-diagram-reports                    | Diagram and MicroSim quality report                    |
| 6. bk-generate-book-metrics              | Comprehensive metrics reports for book                 |
| 7. bk-install-scripts                    | Creates symbolic links for all bk* scripts in \$...    |
| 8. bk-install-skills                     | Creates symbolic links in ~/.claude/skills/ for skills |
| 9. bk-install-social-override-plugin     | Installs social_override plugin for mdocs              |
| 10. bk-list-skills                       | List all Claude skills with their descriptions         |
| 11. bk-microsim-quality-report-generator | Generate quality reports for MicroSims                 |
| 12. bk-resize-images                     | Compresses large images to approximately 300KB ...     |
| 13. bk-status                            | Check the status of an intelligent textbook pro...     |

## Tip and Tricks

1. Use the @docs/[TAB] syntax to specify a path
2. Ask claude what skills it knows about
3. Ask claude what new skills should be created to save you time
4. Use the skill-creator skill to create specialized media types (circuit diagram)
5. Always do `git pull` on the claude skills directory before you start a session
6. If you don't see a new skill, rerun the `bk-install-skills` script
7. Run the `>/ide` command to install claude on your IDE (VSCode)
8. Use the `>/skill microsim-matcher` to match a learning objective with a microsim type
9. If your book is always checked into GitHub you can set up a UNIX command alias `claude-danger` to add the `--dangerously-skip-permissions`
10. Use the `mdocs gh-deploy` to publish your book to GitHub Pages
11. Use the `microsim-add-icons` skill to add the license and full-screen icons to the lower right corner of your MicroSim (adds 44 lines of code)