Basics of slides that communicate:

- Readable font
- Minimal text
- Graphics labeled
- Titles meaningful
- Reinforcement, not distraction
- First slide*: title, names, pictures
- Last slide*: graph of learning

* see samples, below

Slides are
not a memory aid,
not a version of a written report,
not the last part of your prep.

Ineffective slides are:

worse than nothing—
because they distract from what you are saying.
Effective slides are unambiguous, easy to grasp, a second channel for the message.

If audience members miss the presenter’s spoken point for any reason, they should be able to get it by taking one look at the screen. Conversely, if they miss the point on a slide, they should be able to get it by listening to the presenter. This redundancy between the two channels is a solid strategy toward compensating for unavoidable transmission losses. For it to work well, the two channels should interfere constructively and not detract from one another: Looking at a slide should not prevent the audience from listening to the presenter at the same time.

Doumont  http://www.opnmagazine-digital.com/opn/201103/?pg=14#article_id=53698

Creating Effective Visual Presentations, Jean-Luc Doumont

Creating Effective Visual Presentations, Jean-Luc Doumont

How has this slide been improved?

The conversion approaches 100% for high enough pump intensity.

Creating Effective Visual Presentations, Jean-Luc Doumont
Font size is critical.

48 pt  Text should be readable from the back of the room without having to squint
42 pt  readable from the back of the room
36 pt  readable from the back of the room
32 pt  readable from the back of the room
28 pt  readable from the back of the room
24 pt  without having to squint

Use of images is critical... and their sources must be cited.

Required first slide: names and photos

Lab X: Lorem ipsum dolor sit amet

Team 9: The Nameless Nines

name name name name name

How does this slide fit the purpose of the briefing?

Required final slide: assess your individual learning (format of your choice)

Technical Self-assessment

How does this slide fit the purpose of the briefing?
Assertion-evidence slides are a format that can be extremely effective; consider using them.

The following series of slides shows some effective ways to translate typical technical slides into more effective assertion-evidence slides.

For more information, see Michael Alley, Speaking Guidelines for Engineering and Science Students http://www.writing.engr.psu.edu/csp.html

Sample assertion-evidence slides.

Michael Alley, Penn State University, http://www.writing.engr.psu.edu/research.html

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Michael Alley, Penn State University, http://www.writing.engr.psu.edu/research.html

RSS S14 Slides Handout Rubric - February 14, 2014
Sample assertion-evidence slides.

This presentation shows the evolution from a manual environment to one that is automated.

- Fortran 77
- C++
- somewhat manual
- automated

Sample assertion-evidence slides.

Sample assertion-evidence slides.

Sample assertion-evidence slides.

U.S. Resource Use

- The United States uses:
  - 42% of all the aluminum produced worldwide
  - 31% of all the copper
  - 29% of all the lead
  - 27% of all the zinc
  - 27% of the nitrogen
  - 25% of the copper
- Approximately 30% of all resources worldwide
Assertion-evidence slides are neither the best nor the only way to configure slides. But they are an option that can be highly effective when used thoughtfully.