git tips

Common commands

```
# get
git clone git@bombar.goeswhere.com:picr/picr
# update
git pull
# Send changes back:
git push
# See a pretty graph of the history:
gitk
# or:
git log --graph --oneline
```

Expected configuration:

```
git config --global pull.rebase true
git config --global alias.st status
```

Things going wrong:

```
faux@wilf:~/ws/hermes% git push
To git@bomba:hermes/hermes
 ! [rejected]        master -> master (non-fast-forward)
error: failed to push some refs to 'git@bomba:hermes/hermes'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Merge the remote changes (e.g. 'git pull')
hint: before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

Merge bubbles

```
*   a4022cc - Merge branch 'master' of bbc.conor.net:hermes/hermes (19 hours ago) <neha>
|\
| *   f3e6074 - Merge branch 'master' of bomba:hermes/hermes (28 hours ago) <McCreJ06>
| |\
| * | 8915e71 - more zenoss (28 hours ago) <McCreJ06>
* | | 9ff8383 - removed creation of hermesC.sh - not required (22 hours ago) <neha>
| |/
|/|
* |   222f95c - Merge branch 'master' of bombar.goeswhere.com:hermes/hermes (2 days ago) <neha>
```

All these merges are unnecessary if we pull with `rebase`.

```
git pull --rebase
git rebase --continue
git rebase --abort
```

pull with rebase won't let you damage your working copy in any way, you have to be fully committed... or:

```
Cannot pull with rebase: Your index contains uncommitted changes.
Please commit or stash them.
$ git stash
$ git pull
$ git stash pop
```

...to temporarily hide your changes.