September 10, 2008

Writing Fiction for Children

Workshop
Conceptualization
Critiquing
Production
Storytelling

Fiction

- Expository
  - explain a concept
  - show examples, characteristics, etc.
- Narrative with real science concepts

Minsan ako nagiging isang totoy o neneng...

- Mga Nangyari sa akin
  - kadalasang tinatanong o nangyari sa akin sarili o iniisip
  - laging sinasabi ng mga makakatanda (mga kasabihin)
  - madalas pinag-uusapan ng mga kalaro
- Mga ginagawa ko
  - karaniwan mong ginagawa noon (mga hilig o mga inuutos)
  - laro
- Mga nangyayari sa aking paligid
  - mga napapansin at di napapansin
  - Bakit, Ano, Paano, Saan, Sino ... kaya?

September 23, 2008

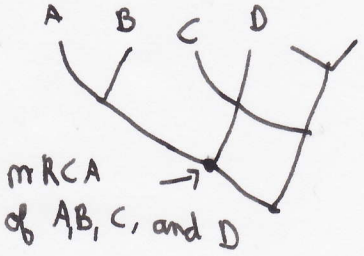
Out of Africa

Multiregional origin theory

Mitochondrial Eve - lived 190,000 years ago
female line

Y-Chromosome Adam - lived 60,000 years ago
male line

mRCA
- most recent common ancestor



haplotypes
- stretches of chromosomes that have not been recombined

difference in reproductive success between men and women
→ men can have more than one wife, more children
→ women can have limited number of children

parthenogenesis

Hominids

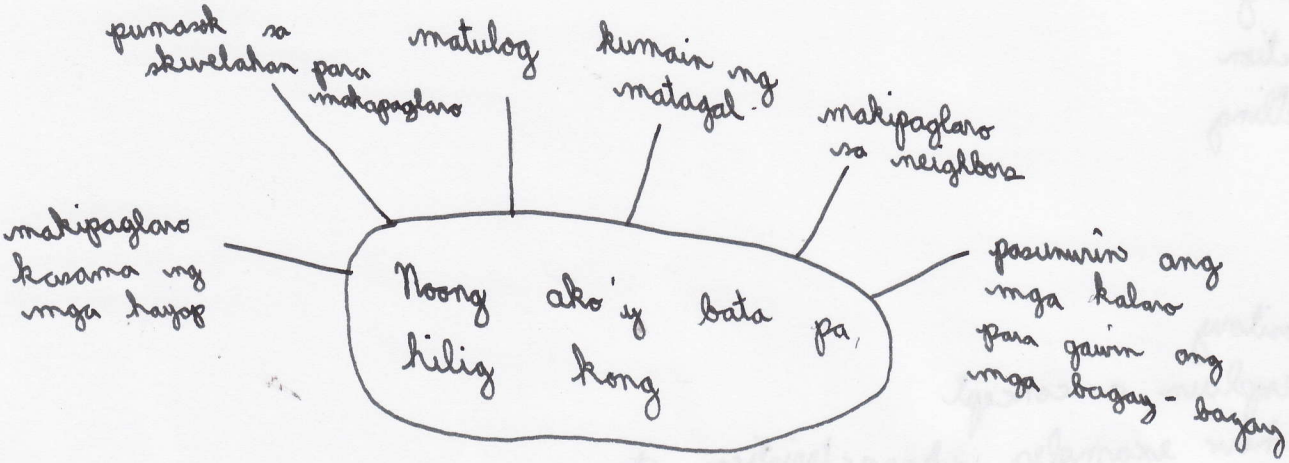
- Australopithecus afarensis
- Australopithecus africanus

- Homo habilis - handyman

- Homo erectus - upright man

- Homo neanderthalensis
  - large skull

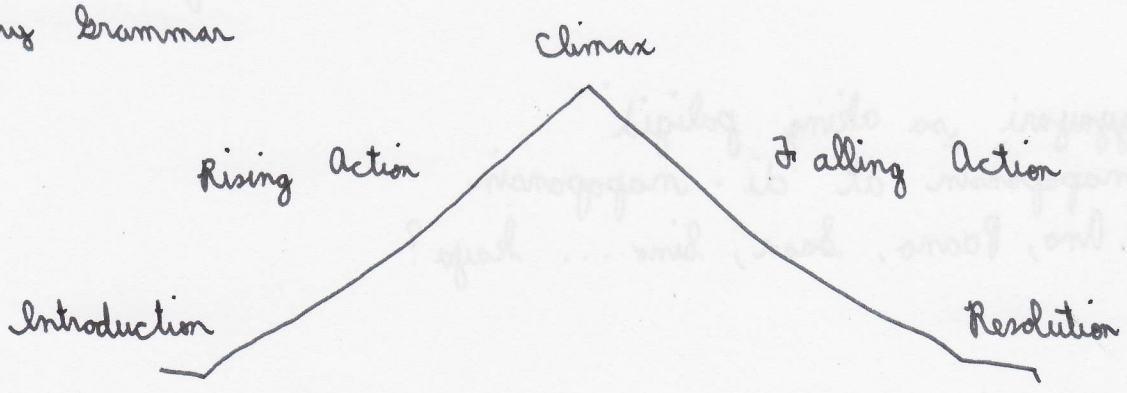
- Homo sapiens



Nasa isang kuwento:

- tauhan
- oras at lugar
- kung may problema, may tunggalian
- wakas

Story Grammar



How did Homo sapiens evolve?

- Multiregional model
- Separate origins model
- Out of Africa Model
- Old Out of Africa
- Out of Africa Again and Again

Out of Africa Again and Again (OOAA)

3 major migrations out of Africa

- 1.7 mya - fossil evidence
- 0.08-0.15 mya - mitochondrial and Y chromosome evidence
- 0.42-0.84 mya - analysis 1.3 haplotypes

What does this tale on humans and their genes tell us?

- What is our concept of race?
- Can genetic information be used to distinguish human groups having a common heritage and to assign individuals to a particular one?
- Do such groups correspond to well to predefined descriptions now widely used to specify race?
- Are humans still evolving?

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OPPOSING VIEWPOINTS

Viewpoint: Out of Africa / African Emergence

Reasons:

→ Modern humans originated in Africa, & then eventually migrated into other regions.

→ Oldest H. sapiens fossils were found in Africa.

* Africa → Central Asia → India → Southeast Asia → Southern China → Siberia → Americas

Viewpoint: Multiregional Model

Reasons:

→ shows greater genetic diversity due to diff. selection pressures such as climate & environment.

→ ~~Different~~ groups in different regions evolved independently but not into separate species.