

# Show and Tell

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# background



- children's information interaction
  - children asked to perform quite complex tasks
  - hard to manage complex searches
    - lose focus if presented with interesting (but not relevant) material
    - often change to easier tasks if they struggle
      - of course adults do this as well
  - often query is based on a single concept
    - but information need is wider
  - systems need to be engaging

# Show and Tell



- Show and Tell (SAT)
  - operates a book metaphor
    - has a topic (what the book is about)
    - has a structure (usually beginning, middle, end)
  - also used to interacting with books
    - colouring in
    - pointing
    - turning pages
- task is to construct a book for telling a story about an object
  - produce an entertaining/educational artefact through searching

# Show and Tell



- child presents an object which is more

- may be from a story
- this is a story

- system creates a story about the object

- child can create a story
- child then creates a story from material shown on left-hand page

- between each page turn system uses relevance feedback

- to select what type of objects to show
- to select topic of objects to show

- Child can save the completed book to show others



to, etc.

material shown on left-

# Show and Tell



- implicitly scripting an activity
  - encourage completion of an activity without explicit dialogue
- working with what children can do
  - recognise the objects that are relevant
  - create stories
- and supporting what they often cannot
  - create specific queries
  - modify queries

# Show and Tell for entertain me



- for entertain me tasks
  - the book has physical counterparts
    - tourist guides, personal photo albums, travel diaries
  - Show and Tell could be used to help structure a *prospective* story using location as the topic
    - different pages could offer
      - different options
      - options for different stages of the story
    - and learn from previous stories as to what might be an interesting story for tonight