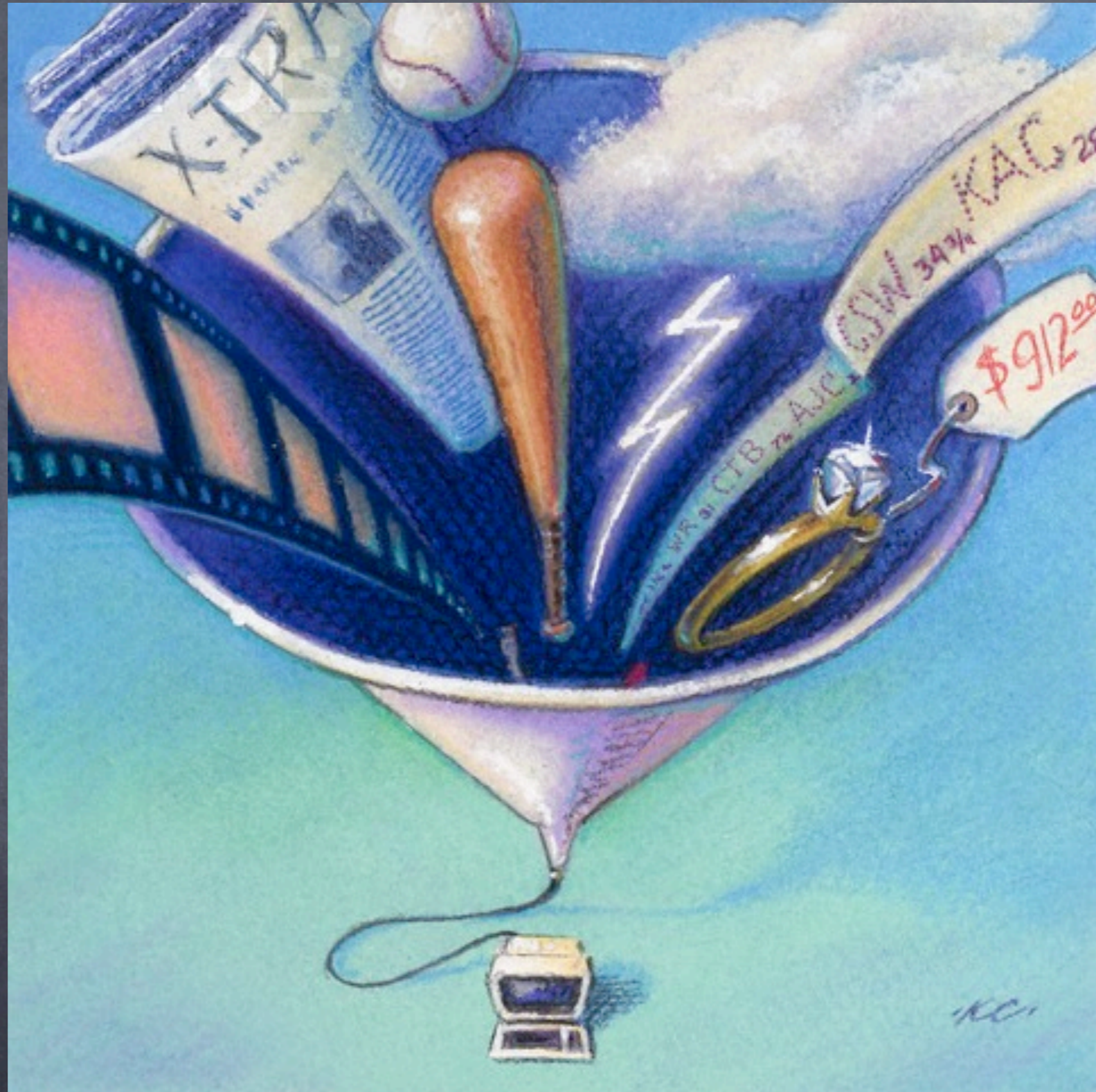


***MULTITOUCH EXHIBITS
FOR 2 TO 6 YEAR OLDS***





WHATS WRONG WITH THIS PICTURE?

***ADULTS ADJUST TO THIS BOTTLENECK
THROUGH TRAINING***

ADULTS ADJUST TO THIS BOTTLENECK THROUGH TRAINING



ADULTS ADJUST TO THIS BOTTLENECK THROUGH TRAINING



ADULTS ADJUST TO THIS BOTTLENECK THROUGH TRAINING



***FOR YOUNG CHILDREN WHO HAVE NOT BEEN TRAINED,
THE INTERFACE MUST ADJUST TO THEIR***

***FOR YOUNG CHILDREN WHO HAVE NOT BEEN TRAINED,
THE INTERFACE MUST ADJUST TO THEIR
NATURAL BEHAVIORS***

**FOR YOUNG CHILDREN WHO HAVE NOT BEEN TRAINED,
THE INTERFACE MUST ADJUST TO THEIR
NATURAL BEHAVIORS**







OUR PAINT TABLE

CONCEPTUAL CHALLENGES

CONCEPTUAL CHALLENGES

- **MULTIPLE USERS- PERSISTENT EVENTS**
 - **USING "BRUSHES" AS THE OBJECT**
- **LEVELS OF CONTROL- WHO IS THE BOSS?**
 - **DELIBERATE ACTIONS VS NATURAL ACTIONS**
- **AVOIDING MAGICAL THINKING/FALSE CORRELATIONS**

WHAT WORKED?





DEMONSTRATION





ADOPTION





PARALLEL AND COOPERATIVE PLAY





EXPLORATION





OH!!! WOW!!!

***WHAT DIDN'T WORK?
(AND HOW WE FIXED IT)***

TECHNOLOGICAL CHALLENGES

TECHNOLOGICAL CHALLENGES

- ***LIMITATIONS OF FLASH- PAINTING WITH PARTICLES***
- ***USER POSITION / TABLE POSTURE***
- ***CAPACITIVE SCREEN***

INTERFACE CHALLENGES

INTERFACE CHALLENGES

- **MIXING COLORS**
- **BRUSH SIZE**
- **TURNING PAINT ON AND OFF**
- **AVOIDING ACCIDENTAL "CLEAN UP"**
- **TABLE HEIGHT**

WHAT'S NEXT?