

# Making Your Mark

with SketchUp

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- Introduction
  - Rye Country Day School
    - Student since Kindergarten
    - 26 Acres
    - CAD class in Upper School
      - Project: Model the Upper School Building
    - Laptop program & “Computer Skills class”
      - SketchUp introduction
- Projects
  - RCDS: 3D
    - Full, almost-scale model of campus
    - Built by a 7<sup>th</sup> grade student with 8 months of SU experience
    - Hours? Every waking moment
    - “What are you gonna do next, build RYE?”
  - RYE: 3D
    - 8<sup>th</sup> Grade Independent Study
      - RCDS: a 2.5 minute walk from the Central Business District of Rye, New York
    - Rye
      - 85 Stores
      - Purchase Street
      - 5 parking lots
      - Train station connection to NYC
    - Building Schedule
      - September-November 2004
        - Walked into Rye during class period 3 times/week
          - Measured
          - Photographed
          - Sketched
      - November – March
        - Locked myself in my room and modeled
        - 3 separate models for the curve of Purchase Street
      - April – May
        - Movie walk-through created
        - Hosted a presentation on the RCDS campus for local
- Results
  - Internships
    - June 2004
      - Christian Miller, Rye City planner, attended the premier at RCDS
        - Some concepts in Rye: 3D model were “ideal,” but not actually existing in real life
          - Examples: Walk/Do Not Walk signs, Traffic light placement
        - 4 meetings in June 2004 to create a “futuristic” (ideal) model of the CBD
          - Walk/Do Not Walk signs (that did not exist in real life)
          - Brick framed concrete uniform sidewalks
          - 2 mid-block “bump-outs” (crosswalks)
          - Traffic lights up to government standards
          - Enhanced street lighting
    - Summer 2006

- Paid internship in the City of Rye Planning Department
      - Subdivision reviews
      - Steep slope legislation
      - Cell phone antenna placement
        - Made use of the *Rye: 3D SketchUp* model
      - 2<sup>nd</sup>/3<sup>rd</sup> Floor CBD usage
      - CBD visitor surveys
    - Summer 2007
      - Massive flooding hit Rye, NY in April 2007
      - Internship in the City of Rye Planning Department
        - Planning for new traffic signal placement
          - Made use of *Rye: 3D SketchUp* model
        - 30-year subdivision catalogue
        - Model street
          - 6 Houses
          - FEMA standards
          - House lifting
          - August 2007 City Council presentation
            - Model flooded using SketchUp to show water/building height effects
      - Summer 2008
        - Internship at Crozier-Gedney Architects
          - SketchUp-using architectural firm
          - Projects ranging from homes to restaurants
    - Wildcat Hall
      - Expansion of *RCDS: 3D* virtual tour
        - 140-seat lecture hall
        - 2 break-out rooms
        - Student lounge
        - Created with only three architectural sketches for reference
        - Presentations
          - Board of Trustees, November 2006
          - Capital Campaign Kickoff, January 2007
    - Independent Study: *Contemporary Architecture*
      - Grade 11, 2<sup>nd</sup> Semester
      - Exterior and interior design
      - I.M. Pei, Frank Lloyd Wright, Frank Gehry
      - Museum lobby design/ Public use focus
  - Impact
    - Personal
      - Experience
      - Exposure
      - Career Discovery
      - Public Speaking
    - SketchUp
      - For Education
      - For the SU Community
    - Basecamp 2008
  - Future
    - For Me
      - This Summer / College / Beyond
        - All thanks to SketchUp
    - For SketchUp
      - Users / Community / Support