Research in the Magnet
Senior Research Project (SRP)

• Authentic research experience
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• Gain professional-level research skills
  – prior to summer internship
  – Write paper, create poster, and make presentation after summer internship
Continuous Process

• Laboratory journals
  – All science classes
  – All research classes

• Major research projects
  – 9th & 10th R&E, POE
  – 11th ExploraVision

• Observe SRP presentations
SRP is a Unique Course

• Students work on a topic of interest to them
• Students work relatively independently
• No tests or quizzes
• Assignments are broken down into parts
• Time in class to work
SRP A- Spring Semester

- Find a mentor
- Improve professional skills
  - Resume
  - Cover letter
  - Interviewing
- Develop research skills
- Practice technical writing and editing
  - Write a research proposal
Summer Internship

• Work in laboratory/office environment
• Have access to equipment
• Interact with experts
• Conduct self in professional manner
• One on-site visit
SRP B- Fall Semester

- Wrap up summer research
- Write a publishable quality research paper
- Create a technical poster
- Develop and practice a presentation

- Optional: Competitions
Competitions

- Siemens Science Competition
- Intel Science Talent Search
- Junior Science and Humanities Symposium
- Montgomery Area Science Fair
- International Science and Engineering Fair
- Others
SRP Convention

• Daytime Presentations
  - present projects to magnet students

• Evening Poster Session
  - Judging by Scientists
  - Public Poster Session
  - Keynote Speaker
  - Special Awards
Questions