



ExploraVision

A chance to change the world!

What is ExploraVision?

- International STEM competition (United States & Canada)
- Work in groups of 2, 3 or 4 (during science class)
- Proposing ideas to solve real world problems
- Technology based
- Creative
- Challenging
- Rewarding (\$\$)
- [Toshiba/NSTA ExploraVision Get Involved](#)
- [Why ExploraVision?](#)

What Does ExploraVision Look Like?

- Abstract: 20 points
- Research: 75 points
 - Present Technology: 10 points
 - History: 10 points
 - Future Technology: 20 points
 - Breakthroughs: 15 points
 - Design Process: 10 points
 - Consequences: 10 points
- Bibliography: 10 points
- *Sample Web Pages: 20 points
- *Model: 15 points

How Do Students Work On ExploraVision?

- Working in class, at least one day each week
- Online collaboration
- Working lunches one day each week
- ExploraVision Afternoons (Mondays & Wednesdays, 3:00-4:30)
- Voluntary (out-of-school) collaboration

What Won Before?

- *Emotion Recognition (EMREC): The personalized future of autism therapy* St. Anthony's High School
- *Word Watch* The Gagie School
- *Biodegradable Vaccination Patch* Northview High School:
- *GrowPro: The Prosthetic That Grows with You* Marlboro Memorial Middle School
- *Using Silicon Nanostructures to Maximize Photovoltaic Efficiency* Young Junior High School
- *A novel method to treat diabetes using specially designed nanobots* The Harker School

What Can I Do?

- Provide Guidance
 - Review previous winning projects
 - Ask specific questions about your child's project
- Answer Questions
 - Provide your opinion when your child seeks your input
 - Don't be afraid to admit you don't have an answer
 - Be willing to help search for answers
- Offer Praise & Support
 - Acknowledge they are taking on a real challenge
- Be a Mentor



Timeline

(subject to adjustments)

- Idea List Chosen: Friday, September 21st
- Present Technology & Bibliography: Thursday, October 25th
- Technology Development Timeline: Friday, November 2nd
- Technology History & Bibliography: Friday, November 9th
- Future Technology & Bibliography: Friday, November 23rd
- Technology Breakthroughs & Bibliography: Friday, December 14th
- Consequences & Bibliography: Friday, January 11th
- Design Process & Bibliography: Friday, January 18th
- Abstract: Friday, February 1st
- Sample Web Pages: Friday, February 1st

Managing Time

- Balancing work for all classes
 - Use of planner helps
- Utilizing time wisely in school and out
 - Good rest and nutrition habits aid focus
 - Checking planner at home daily
- Finding help/support
 - After school tutoring available
- ExploraVision Afternoons

Year 3 Sciences

- Current Events ~ 15th of each month
 - Format Available in myLearning
 - MLA Bibliography
- P.R.O.B.E.S. ~ 30th of each month
 - Research Notes (myLearning)
 - One Page Research Summary (Standard Format-myLearning)
 - Three Source MLA Bibliography (myLearning)
 - Illustration (Original, full-page, full color)



Questions?

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