

Robot Competition

Coop. Middle School
April 2007



21st Century Skills

- Math, Science and Technology
- Creative problem-solving
- Iterative process of proposing solutions, building and programming them, testing them out, collecting data, and reworking process until fine-tuned



Student Learning and Engagement



Do you think these kids are engaged?

Competition Activity



Robotics Academy video [web link](#) shows examples of the benefits of competition participation.

- Teamwork, sportsmanship and collaboration
- Research, presentation and communication
- Personal achievement, hard work leading to accomplishment, and building self-confidence



Proposed Budget



| | <u>Quantity</u> | <u>Cost Each</u> | <u>Total</u> |
|--------------------------|-----------------|------------------|----------------|
| NXT sets | 6 | \$280 | \$1,680 |
| Bluetooth Adapters | 6 | \$38 | \$228 |
| Laptops | 6 | \$850 | \$5,100 |
| Coach stipend | | | \$1,200 |
| Competition Registration | 6 | \$150 | \$900 |
| Annual setup kits | 6 | \$65 | \$390 |
| T-shirts | 25 | \$10 | \$250 |
| Copy materials, supplies | | | <u>\$100</u> |
| | | Total: | \$9,848 |

Let's Get Going!

- August 20 – Tournament Registration
- September 5-10 signups
- September 12 – First Meeting
- September 15 – Coaches training
- September 19 – October 25 Meetings
- November 15 Regional Competition
- State Competition – attendance even if no participation

