**Central Hardin High School**

**Technology Student Association, Vex Robotics Teams**

Jason Neagle

3040 Leitchfield Rd

Cecilia, KY 42724

December 16, 2013

**Hardin County Board of Education**

**Superintendent: Nannette Johnston**

Hardin County Schools

65 W.A. Jenkins Rd.

Elizabethtown, KY 42701

**DECISION PAPER:**  
  
**WHAT:** Central Hardin High School’s, Technology Student Associations, Vex Robotics Teams are working to qualify for Vex Robotics World Championships by Ranking among the top 400 teams in the world of over 10,000 teams. The teams currently rank top 5 in the State to qualify and top 30 in the World, in team Skills scores. Central Hardin has 5 Robotics Teams and the final official qualifications will be announced after the State Competition February 15th and World Skills rankings March 8th. As of to date 3 teams are ranked in the top 30 of the World and have an automatic bids to Worlds, unless current scores are surpassed.  
  
**WHEN:** April 23-27, 2014  
  
**WHERE:** Anaheim, California at the Anaheim Convention Center and adjacent Hilton Hotel  
  
**HOW:** Students will be transported by school bus to and from SDF airport Louisville, KY. Southwest Airlines will be used to reduce luggage and robot transportation costs. Estimated up to 9 students along with Chaperone and TSA Club Sponsor Jason Neagle fly into John Wayne Airport Santa Ana, CA., near Anaheim, California and take an event sanctioned commercial shuttle to the host hotel. The hotel is adjacent to the Convention center where students will compete for three days and will not require daily transportation. The Competition wraps up Saturday night and plans are to fly home Monday.   
 Student expenses will be paid with available TSA Club funds gained through fund raising efforts. Students will be responsible for some the airfare to the competition.  
  
  
  
Sincerely,  
  
  
Jason Neagle  
  
PLTW Teacher, TSA Sponsor  
  
Enclosure

* 1. **A short narrative describing the trip and reasons for the trip;** Every year, an engineering challenge is presented in the form of a game. Students, with guidance from their teachers and mentors, use the VEX Robotics Design System to build innovative robots designed to score the most points possible in qualification matches, elimination matches and Skills Challenges. In addition to having a great time and building amazing robots, through their participation in the VEX Robotics Competition and their work within their team, students will learn many academic and life skills.  
      The CHHS Vex Robotics team will have competed in 4 Kentucky Regional Robotics events, 1 Kentucky State Championships, and TSA State Competition. To qualify for Vex Robotics Worlds Teams must be one of 5 top Teams in Kentucky or ranked top 30 in Driver or Programming Skills in the World. Currently 2 CHHS teams are top 30 in the Worlds for Driver Skills.  
      Students who qualify for the worlds competition will have worked many long hours to have accomplished the task.The year-long project will culminate in a competition of the top 40 Robotics teams from 24 Countries April 23-26, 2014.
  2. **The educational objectives for the trip;**

The CHHS Vex Robotics teams currently include over 30 members that work together on a variety of challenges and obstacles - requiring them to develop new problem-solving skills both individually and as a collective whole - as they think, create, build and amaze, to design a robot that they will use to compete in one of many tournaments throughout the year.

VEX Robotics Competition team enables students to experience a variety of roles on the team, and share responsibility for all aspects of the building, programming, designing and management process. No prior experience is required, just one’s imagination, desire to build, and willingness to be a team player.

The VEX Robotics Competition is designed to give a diverse group of students the chance to celebrate their accomplishments and share their passion for robotics with each other. There are currently more than 10,000 teams from 24 countries that participate in over 400 VEX Robotics Competition events worldwide. For more information on the VEX Robotics Competition, visit [RobotEvents.com](http://www.RobotEvents.com).

* 1. **An itinerary listing of the schedule noting visitation sites and motels/hotels;  
     *Weds. April 23***  
     April 23, 2013 Fly from SDF to SNA Depart 9:30 am Arrive 1:30pm

Airport Shuttle to Anaheim Hilton Convention Center

Register and submit Robots for Inspection

***Thurs. April 24***  
7:15 am until 7:00 pm - Setup Pit area Skills Runs, Team Driver Meetings, Opening Ceremony

***Friday April 25***

7:15 am until 7:00 pm - Qualification rounds, Team Interviews, Skills Qualifying

***Saturday April 26***

7:15 am until 7:00 pm - Qualification rounds, Finals for top 30 Skills, Playoffs for division finals, Overall Final Rounds, Awards Ceremony

***Sunday April 27***

9:00 am until 9:00 pm – After winning World Championships, a day at Disney Land next to Hotel Location

***Monday April 28***

7:30 am Shuttle to SNA Airport

9:05 am Depart to SNA Arrive SDF 5:00 pm - Transferred to CHHS via School Bus

* 1. **A list of all students, chaperones, parents and teachers going on the trip.**

*Teacher:* Jason Neagle;   
  
*Possible Students subject to change:* Cody Bybee, Michael Riggs, Austin Basham, Chris Nichols, Samuel Newton, Dillon Brock, Chase Barnes, Ethan Swink, Ben West, Josh Newton