

**2012 MICHIGAN SKILLS USA CHAMPIONSHIPS
TASK AND MATERIALS LIST**

SKILL OR LEADERSHIP AREA: TEAM WORKS

CONTEST SPONSOR: Lowe's



SITE

- PRESENTATION - APRIL 20, 2012
 - CAUSEWAY BAY HOTEL (FORMERLY HOLIDAY INN SOUTH), LANSING, MI.
- CONTEST - APRIL 21, 2012
 - THE SUMMIT, LANSING, MI.

TASKS TO BE PERFORMED:

- FRIDAY'S PRESENTATION TEAM TIMES WILL BE POSTED
- 12:30 PM-5:00 PM
- TEAMS MAY DROP THEIR TOOLS OFF AT THE SUMMIT ON FRIDAY 1PM – 5PM. OR AM SAT.
- SAT. TEAM WILL CHECK IN AT 8:00 AM- CONTEST WILL END AT 5:00 PM
- CLEAN UP AND TEAR DOWN 4-5 PM (ALL TEAMS WILL PARTICIPATE AND SCORED)

ATTENTION

Major changes for 2012

Plumbing..... The DWV System will require primer and glue this year. Bring your primer and glue. The supply lines will be both copper and PEX. Line and fittings will be provided, contestants will need to bring crimp rings and crimp ring tools.

OVERALL TEAM RESPONSIBILITY

- ALL WORK WILL BE PERFORMED IN A QUALITY, PROFESSIONAL, AND WORKMANSHIP LIKE MANNER.
- COOPERATION AMONG ALL PHASES OF CONSTRUCTION IS NECESSARY.
- KEEP WORK AREA CLEAN AND FREE FROM HAZARDS.

- BECOME FAMILIAR WITH AND MAINTAIN SAFETY STANDARDS AT ALL TIMES.
- SAFETY PENALTIES WILL BE ASSESSED
- WEAR SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES, AND APPROPRIATE WORK SHOES OR BOOTS.
- ALL CONTESTANTS MUST REMAIN AT THE CONTEST SITE UNTIL JUDGING AND CLEAN UP IS COMPLETED.
- FAILURE TO DO SO WILL RESULT IN DISQUALIFICATION.
- TEAMS WILL BE RESPONSIBLE FOR THEIR OWN LUNCHES AND WATER.
- A GROUP TEAM AREA WILL BE AVAILABLE FOR LUNCHES.
- MAY COMMUNICATE WITH ADVISORS OUTSIDE WORK AREA OR JUDGE IN WORK AREA.

SAFETY REQUIREMENT:

- BOTH THE INSTRUCTOR AND THE CONTESTANT CERTIFY BY AGREEING TO ENTER THIS CONTEST THAT THE CONTESTANT HAS RECEIVED INSTRUCTION AND HAS SATISFACTORILY PASSED AN EXAMINATION ON THE SAFE USE OF PORTABLE POWER TOOLS

TEAM MEMBERS:

- CARPENTER, ELECTRICIAN, MASON, PLUMBER.
- ***ALL TEAM MEMBERS ARE REQUIRED TO HAVE AN OSHA CERTIFICATION PRIOR TO COMPETITION. TO TAKE THE OSHA CERTIFICATION TEST, GO TO:***
WWW.CAREERSAFEONLINE.COM
- TURN IN COPY OF OSHA CARD AT PRESENTATION ON FRIDAY

SCOPE OF WORK:

- FRAME WOOD STRUCTURE, RAFTERS, STAIRS
- WIRE INTERIOR, AND EXTERIOR
- EXTERIOR BRICK AND BLOCK
- PLUMBING, PVC-DWV, COPPER, PEX SUPPLY LINE, TOILET , SINK, SHOWER
- PRESENTATION OF WORK PLAN

Carpentry:

Frame wood walls, 2x4 and 2x6. Layout, cut and install gable, hip rafters and stair stringers.

Electrical:

Wire a service panel. Wire both fifteen and twenty amp circuits. Wire single pole switches and 3-way switches, GFI and convenience outlets, and lighting switch loops.

Plumbing:

Use PVC for DWV plumb lines. Use copper and PEX for freshwater supplies. Supply your own 1/2" and 3/4" crimp rings and crimping tool. Install frostproof sillcock.

Masonry:

Install outside or inside corner brick veneer with corrugated metal wall ties at prescribed coursing.

TOOL LIST:

- NO AIR TOOLS
- NO POWER MITER SAW
- NO ELECTRONICS , PHONES , I-PODS

CARPENTRY:

- ONE 6 FT. STEP LADDER
- SAW HORSES
- HAND SAW, CIRCULAR SAW
- FRAMING SQUARE
- HAND TOOLS
- TOOL BAG
- SAFETY GLASSES
- HARD HAT
- BROOM AND DUST PAN

PLUMBING

- PROPANE TORCH
- FIRE EXTINGUISHER (SMALL)
- WATER-SOLUBLE FLUX CONFORMING TO ASTM B 813
- LEAD FREE SOLDER, PVC GLUE AND PRIMER
- PIPE COMPOUND OR TEFLON TAPE
- ABRASIVE FOR CLEANING
- LEVEL, TUBING CUTTER, PVC CUTTER
- HOLE SAW
- HAND TOOLS
- PEX CRIMP TOOL
- HARD HAT

MASONRY

- TROWEL
- BRICK HAMMER, BRICK SET
- BRUSH
- MORTARBOARD
- MODULAR RULE
- 2'- 4' LEVEL
- COFFEE CAN
- HAND TOOLS
- HARD HAT

WIRING

- DRILL (CORDLESS OR ELECTRICAL)
- DIAGONAL WIRE CUTTERS, SIDE CUTTERS
- ROMEX STRIPPERS, WIRE STRIPPERS
- NEEDLE NOSE PLIERS
- SCREWDRIVERS
- HAND TOOLS
- HARD HAT

NOTE:

- ✓ OTHER HAND AND POWER TOOLS MAY BE ADDED TO THIS LIST.

ADDITIONS

- ALL STUDENTS SHOULD HAVE PENCIL, TOOL BELTS, SAFETY GLASSES, HARD HAT, TAPE MEASURE WORK BOOTS, ALONG WITH PROPER WORK ATTIRE FOR THE JOB
- YOU WILL NOT BE ALLOWED TO WEAR TENNIS SHOES, SHORTS, CUT OFF JEANS, SLEEVELESS SHIRTS OR HAVE BARE MIDRIFTS OR SHIRTS WITH SCHOOL NAMES OR CITIES.

MATCHING TEAM SHIRTS ARE PERMITTED WITH NO NAMES OR OTHER IDENTIFIERS (SCHOOL, TOWN, ETC.)

PRESENTATION:

- TEAM PRESENTATIONS WILL BE HELD FRIDAY APRIL 16, 2012 STARTING AT 12:30
- CAUSEWAY BAY HOTEL (FORMERLY HOLIDAY INN SOUTH), LANSING, MI.

- DETAILED SCHEDULE WILL BE MAILED TO EACH ADVISOR AND POSTED ON THE WEB
- ALL STUDENTS WILL NEED A 1-PAGE RESUME THAT WILL BE TURNED IN AT THE BEGINNING OF THE PRESENTATION AT THE CAUSEWAY BAY HOTEL ON FRIDAY
- TURN IN COPY OF OSHA CARD AT PRESENTATION ON FRIDAY

DETAILS:

- PRESENTATION WILL BE 3 TO 5 MINUTES IN LENGTH
- EACH TEAM WILL BE SENT DETAILS FOR PRESENTATION. THE FORMAT WILL BE THE SAME AS IN THE PAST
- POWER POINT PRESENTATIONS ARE NOT NEEDED AND IN THE PAST HAVE HURT MORE THAN HELPED IN THE PRESENTATIONS.

Revised 3/22/12

Presentation for Team Build

Students will be given a blue print. From this print, students will be asked to either:

- (1) Change the print to customers needs for their new house.
- (2) This is a print from an existing home and the customer wants it remodeled.

During the presentation students will be evaluated on:

- (1) Did they follow instructions
- (2) Organization of plan or design
- (3) Foundation
- (4) Framing
- (5) Plumbing
- (6) Electrical
- (7) Presentation (did everyone contribute)
- (8) Demolition (If remodel)
- (9) Time Frame
- (10) Professionalism

10 Points in each area if remodel for a total of 100 points.

10 points in each area if new for a total of 90 points.

SCORECARD TeamWorks

		Team Number						
Items Evaluated	Possible Points							
Plumbing	110							
Electrical	110							
Carpentry	300							
Masonry	110							
Order Efficiency	20							
Team Presentations	120							
Clean Site	64							
Extent of Completion	64							
Deconstruction	52							
Tool Return	20							
OSHA Safety Points	30							
Résumé Penalty	0 or -50 only							
Clothing Penalty	0 to -50 only							
Total Possible Points	1000							

Date: _____

Judges' Signatures:

Check In sheet

Team #	Planinning time	Present time	School
1	12:30- 1:00	1:00	Branch Area Careers Center
2	12:40-1:10	1:10	Jackson Career Center
3	12:50-1:20	1:20	Regional Career Technical Center
4	1:00-1:30	1:30	Ann Arbor Public Schools
5	1:10-1:40	1:40	Lapeer County Ed Tech Center
6	1:20-1:50	1:50	St. Clair TEC
7	1:30-2:00	2:00	Tuscola Technology Center
8	1:40-2:10	2:10	Bay Arenac Career Center
9	1:50-2:20	2:20	Huron Area Technical Center
10	2:00-2:30	2:30	Oakland Schools Technical Center NE Campus
11	2:10-2:40	2:40	Randolph Career and Technical Center