

Board Development Topic: Shop Safety and Response Plan

Date of Board Meeting:

November 22, 2018

Strategic Priority:

- Student and Family Engagement
- Internal Process
- People Capacity
- Financial Stewardship

Quality Indicator(s):

QI 6.2 – The Director keeps the Board informed about Division operations.

QI 6.3 – The Director provides the Board with balance, sufficient, concise information and clear recommendations for actions items in agendas.

QI 6.6 – The Director ensures high quality management services are provided to the Board.

Information for the Board (10 fast facts):

1. GSSD supports industrial shops in the following communities:
 - Canora: Construction, Mechanics, Welding
 - Churchbridge: Millwright
 - Esterhazy: Construction, Welding
 - Kamsack: Construction, Auto Service, Welding
 - Melville: Automotive/ Construction/ Welding/ Machining
 - Langenburg: Construction, Mechanics, Welding
 - Norquay: Construction, Welding
 - Sturgis: Woods, Auto, Welding
 - Yorkton Regional: Autobody/ Construction/ Welding/ Machining
 - Yorkdale: Woods, Practical Applied Arts (PAA)
2. In 2016, GSSD commissioned SunCorp to conduct an audit of our industrial shops. See the full [SunCorp Report](#). Safety concerns identified included an array of items-- air quality, equipment safety, shop organization, clutter and general PAA shop operation. Some of the issues were so concerning, they could have led to the closure of PAA programs.
3. In response, a central office PAA team, including education, facilities and accounting representatives, was assembled to collaboratively address the PAA safety concerns. A PAA consultant was hired to visit and evaluate all GSSD Industrial PAA shops and to have discussions with the PAA shop teachers. In some cases, multiple shop visits were made in order to monitor and to provide guidance on progress.

4. Shop Practices Targeted:

- A. Implementation of safety borders that indicate work zones. (Delineation Lines)
- B. Elimination of unused shop equipment to free up more work area.
- C. All shop equipment requiring guards have been installed.
- D. All shop equipment is anchored to the floor where required.
- E. Personal Protective Equipment (PPE) is visible and readily available.
- F. Implementation and organization of storage areas to free up more floor space.
- G. Progress made towards the implementation of water based paints and stains in shops that do not have adequate ventilation.
- H. The majority of fire cabinets now have their contents identified on their doors.
- I. Improvement on Oxy-acetylene tank storage locations.
- J. Ultra violet radiation exposure is being addressed.
- K. Improvements on some ventilation systems have been achieved.
- L. MSDS information has been made readily available.
- M. Flash back arrest systems for all oxy-acetylene welding equipment have been installed.

5. Common Conversations:

- A. Discussions with PAA teachers as to what might be some possibilities in shop reorganization to improve on efficiencies and safety.
- B. Discussions with shop teachers about the importance of reducing shop clutter--an ongoing concern.

6. Evidence of Improvement:

Sturgis-- Before



Sturgis-- Before



Sturgis-- After



Canora-- Before



Canora-- After



7. 2017-2018 Budget

Action	Time line	Cost
a. Installation of temperature controlled and also portable long flush eye wash stations for all GSSD Industrial Arts labs (15)	Sept. 1, 2018	\$15,000
b. Welding booth and Plasma table curtains to address Ultra violets light exposure needed in all GSSD shops	Dec. 31, 2017	\$7,250
c. Installed Metal Lathe Chuck guards with interrupter switches that reduced the possibility of making contact to a rotating lathe chuck. (26 machines)	Sept. 1, 2018	\$35,000 installed
d. Hydraulic Press Guards (10 machines)	Sept. 1, 2018	\$10,000
e. Installation of fume extraction systems-- CPS.	Sept. 1, 2018	\$13,000
Projection		\$80,250
2017-2018 PAA budget		\$68,169
Budget Forecasting		\$11,000
Total Project		\$79,250

8. August 29, 2018 Welding Professional Development was held at Melville Comprehensive School. Review of practical and safety aspects of welding.



9. 2018-2019 priorities were established during our most recent centralized PAA Team meeting. These include: creating an emergency response protocol, the installation of wood lathe and hydraulic press guards, and the installation of a fume extraction system in the Canora welding shop.

10. PAA teachers and administrators are invited to attend PAA PLC meetings twice a year. The most recent meeting was held November 1, 2018 and included industrial shop safety discussions on eye wash testing and construction safety. Conversation revolved around class sizes, fall protection and the use of hard hats and appropriate footwear.

Respectfully submitted,

Quintin M. Robertson, Director/CEO
Good Spirit School Division