



## **General Information on Specialist High Skills Major and Mining Specific SHSM**

# SHSM

- SHSM – what is it?
- Who is the SHSM Program For?
- How do students benefit from SHSM?
- What do students receive upon completion
- Mining SHSM – what are the requirements?
- Experiential Learning and Cooperative Education
- Reach Ahead Opportunities
- Future careers of Mining SHSM graduates

# SHSM - What is it?



- allows students to focus on a career path that matches their skills and interests while meeting the requirements of the Ontario Secondary School Diploma (OSSD).
- complete a specific bundle of 8-10 courses in the student's selected field
- earn valuable industry certifications
- gain important skills on the job with employers

# Who Takes a SHSM?

Grade 11 and 12 students who are:

- heading for an apprenticeship, college, university or the workplace.
- wanting to explore their career goals and make informed choices about their next steps after secondary school.

# Benefits of SHSM for Students

- Gain important skills on the job with actual employers, at skills training centres and at school
- Earn valuable industry certifications
- Make informed decisions

# SHSM Opportunities

- Customize their secondary school education to suit their interests and talents
- Develop specialized knowledge and skills
- Earn credits that postsecondary educational institutions and the sector recognize
- Gain sector-recognized certification and career-relevant training
- Identify and make informed decisions about their future

# Successful Students Receive:

- an Ontario Secondary School Diploma with an embossed red seal
- an SHSM Record documenting his/her achievement
- formal recognition on his/her Ontario Student Transcript.



# Mining SHSM

## **What will students in the mining major study?**

- A bundle of nine Grade 11 and Grade 12 credits in which students earn:
  - Four mining major credits
  - One English credit, one math credit and one of science, business or world studies with units focused on mining
  - Two cooperative education credits to gain workplace experience

# Mining SHSM Con't

- Experiential learning, career exploration and reach ahead activities within the sector
- 7 sector-recognized certifications and/or training courses/programs Essential Skills and work habits required in the sector
- “reach ahead” experiences connected with the student’s postsecondary pathway

# Certifications

Compulsory	Electives (choose 3)
First Aid	GPS Training
CPR	Confined Space Awareness
WHIMIS	Fall Protection
General Safety Awareness	Lock Out and Tagging
	Power-actuated Tools
	Electrical Safety
	Elevated Work Platforms
	Equipment in Mining

# Experiential Learning

Experiential learning opportunities could include:

- one-on-one observation of a cooperative education student at a placement in the mining sector
- a day-long observation of a skilled tradesperson in the mining sector
- a one- or two-week work experience with a professional in the sector
- a field trip to an industry site
- attendance at a conference related to the mining sector
- Observation in a *Mine Rescue competition*
- attendance at an orientation to engineering at a university

# Cooperative Education

Arranged by the school and must meet the following requirements:

- A placement must be assessed by a teacher before the student is assigned to it to ensure that the placement offers a positive learning environment and a safe workplace. Workplace Safety and Insurance Board coverage must be in place through the ministry or the workplace.

# Reach Ahead Activities

“Reach ahead” experiences provide students with an opportunity to experience the next step in their chosen pathway. Reach ahead experiences take place outside the classroom and vary in length.

for example:

- Visiting a workplace
- Interviewing an employee in their chosen field
- Attending a college class

# Career Paths For SHSM Graduates

## What are the future career paths for mining majors?

- Apprenticeship – electrician, machinist, heavy duty equipment mechanic, industrial instrument mechanic
- College – mining technician, safety officer
- University – geologist, mechanical engineer, mining engineer
- Entry level workplace – underground mine service and support worker, heavy equipment operator, geology technical assistant



***Student Success is about meeting the individual learning needs of each and every student. Schools are providing students with more opportunities to customize their high school experience.***

***One of those options is:***

***Specialist High Skills Major.***

