



PURPOSE

Request for support of a Memorandum of Understanding between the Ottawa Carleton District School Board and the Ontario Masonry Training Centre that permits the donation of tools, material, texts and teacher training to support already existing curriculum delivery and specialized Co-op through the Ontario Youth Apprenticeship Program that is already in place.

WHAT IS OYAP?

OYAP (Ontario Youth Apprenticeship Program)

OYAP offers full-time secondary school students the opportunity to train as apprentices while enrolled in cooperative education. It supports the increased understanding of the apprenticeship pathway across the District. Students must be 16 years of age and have achieved 16 credits at the time of enrollment.

OCDSB and the Ontario Youth Apprenticeship Program

The OCDSB has approximately 1000 OYAP students across several dozen of the recognized skilled trades in Ontario. In any given year upwards of 100 students will be signed to a Registered Training Agreement (RTA) with a journey person sponsor and of those approximately 50 students will take advantage of Level 1 training opportunities provided through a number of different partner Training Delivery Agents (TDA), including Algonquin College, St. Lawrence College, Seaway Meat Cutting Institute, Landscape Ontario, etc. Training Delivery Agents are organizations, both colleges and non-colleges, that deliver training and support to apprentices in specific trade codes. Students access training through a central application process that requires a resume, credit counselling summary, 2 letters of reference, a Registered Training Agreement, and a personal letter from the student indicating why they should be considered. Exact seat counts and opportunities vary from year to year and are negotiated by the OAYP Coordinator with TDA's based on student voice. Our most common intakes are in Automotive Service Technology, Truck and Coach, Cook, General Carpentry, HVAC, Sheet Metal and Brick & Stone.

In 2018-2019, the OCDSB received a substantial increase in funding for our OYAP program, reflective of our apprenticeship participation and success in the promotion of skilled trades across the District.

OYAP funding is used to promote skilled trades from K-Adult, provide educator professional development, engage with parents and students through information sessions, plan and execute multiple student events across all trade sectors, support students to attend industry workplace standard training, support the cost of student transportation and personal protective equipment, engage in partnership development with industry and union halls, support transitions to post-secondary, and develop resources for students, parents, potential partners and staff, etc.

PARTNERSHIP BETWEEN THE OCDSB AND THE ONTARIO MASONRY TRAINING CENTRE

Partner Organization: Ontario Masonry Training Centre

The Ontario Masonry Training Centre (OMTC) provides quality training for the brick and stone masonry trade through programs such as pre-apprenticeship and apprenticeship.

The OMTC is an approved Training Delivery Agent. The Training Delivery Agent (TDA) approval process is designed to improve and expand the apprenticeship delivery infrastructure to meet industry requirements for a training system committed to high standards, reliability and accessibility.

The Curriculum Standards are developed by the Ontario College of Trades in consultation with representatives from the trade and Training Delivery Agent instructors. The standard has been designed to support consistency and accountability within the in-school training process; ensuring apprentices across Ontario are developing the skills necessary for success in his/her trade.

History of the Relationship

The OMTC is in their third year of delivering Level 1 Brick and Stone Masonry training to students in the OCDSB. These students are enrolled in full time Co-operative Education programs at their home schools and registered as official Apprentices with the Ministry of Training, Colleges and Universities through the Registered Training Agreement process.

Students attend to the host site for the in-class and lab training. In the past 3 years 440 Albert Street Education Center and La Cite Collegiale have hosted, however we are seeking a more permanent home at OTSS. Once the student has demonstrated the required competencies as outlined in the [training standards manual](#), OMTC connects them to full time employment with one of their partner employers. Students are paid for this work term. If credits remain for OSSD completion, the student can enroll in summer Co-op and continue working at the placement. If the student has graduated and is doing well at placement, they can be offered full time employment. If the student does not wish to continue, the Registered Training Agreement is cancelled at no consequence.

Access to the Program

Although most Apprenticeship programs require some experience in the trade before allowing students to access a Level 1 opportunity, the OMTC has developed this program to welcome any student regardless of experience. There is an application process, and if necessary, an interview may be held to determine suitability to the program.

Typical Schedule and Resource Requirement for Level 1 Delivery (as currently operating)

Any student from the District who meets OYAP requirements can apply for Level 1 Training. They remain students of their home school, and are formally supervised by their homeschool Co-op teacher. This curriculum delivery and work placement is facilitated by a MTCU qualified instructor who is employed by OMTC. The OMTC instructor is not delivering MOE Curriculum.

In most circumstances, TDA's provide Level 1 training in an 8 week block. OMTC recognizes the value for additional instructional time in order to support our student's learning and they have agreed (at no additional cost to the District) to do the delivery in a 13-14 week block. The OMTC instructor focuses not only on the required curriculum, but also reinforces many of the "job-readiness" and person skills required for employability in this additional time.

Co-op Elements	Dates	Resources
Pre-placement	01 Feb - 15 Feb	Student generates GSN as full time Co-op Student; remain student of their home school
Level 1 Delivery	15 Feb - 15 Apr	Instructor funded through a seat purchase by OMTC to MTCU;

		students are supervised by their Co-op teacher on a regular schedule as outlined in MOE policy for Co-op
Work placement	15 Apr - 15 Jun	Student generates GSN as full time Co-op Student; remain student of their home school; students are supervised by their Co-op teacher on a regular schedule as outlined in MOE policy for Co-op
Final Evaluations	15 Jun - 30 Jun	Student generates GSN as full time Co-op Student; remain student of their home school

Impact

Each of the 12 students in the 2017 and 2018 respective intakes were successful in demonstrating the competencies required to achieve the Level 1 designation. The students were enrolled in schools across the district (Bell, Cairine Wilson, Frederick Banting, Gloucester, Longfields Davidson, Sir Robert Borden, West Carleton, Hillcrest, Canterbury, Norman Johnston, Sir Guy Carleton, Richard Pfaff, Ottawa Technical, and John McCrae). The 12 students from the 2019 intake are currently in mid program.

Any Student choosing to continue their Apprenticeship through additional Co-op credits, summer work or post secondary are entitled to a rate of pay greater than or equal to \$23.00/hr plus pension and benefits because of this designation and Co-op experience.

BENEFITS

Additional Co-op Employer Partners

OMTC brings to the table a host of industry partners, lead by the Ontario Masonry Contractors Association, who will employ and support our students both through the Co-op program and as they transition to the workforce full time. OMTC also connects students to Local 7 International Union of Bricklayers and Allied Craftworkers.

Resources for OCDSB Students

The OMTC has received a Skills Catalyst Fund grant to supply the OCDSB with material, tool kits and texts that can further support existing Construction Technology curriculum delivery and experiential learning related to Brick and Stone Masonry.

Enhancement Opportunities for Students at OTSS

With the infusion of tools, training and materials, OTSS students will be able to experience a more liberal exposure to Brick and Stone Masonry. There are several possibilities of curriculum alignment including any of the following course offerings:

- TIJ10 - partial credit in masonry, as part of a series of tech rounds

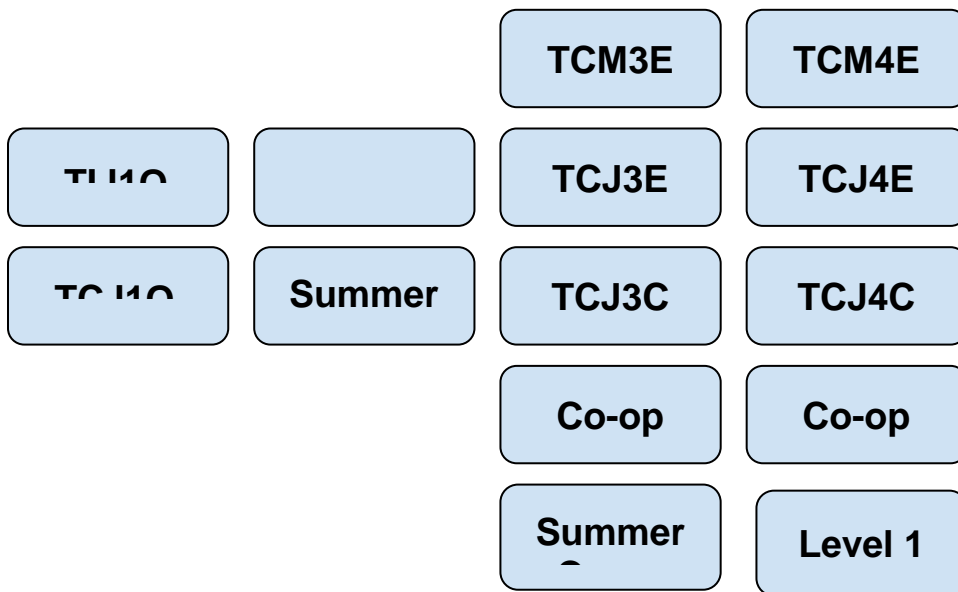
- TCJ1O and TCJ2O - many specific expectations can be addressed through Masonry in support of understanding construction theory, techniques and process
- TCM3E and TCM4E - Construction courses that are focused in the area of Masonry
- TCJ3C and TCJ3C - many specific expectations can be addressed through Masonry in support of understanding construction theory, techniques and process
- TJC3E and TCJ4E - many specific expectations can be addressed through Masonry in support of understanding construction theory, techniques and process

Modelling High Expectations

The visible presence of the OYAP Level 1 in Brick and Stone will provide students with an additional motivating factor. Encouraging a mix of students in the program, including those from OTSS and those from other sites, provides role models as well; demonstrating a commitment to their achievement and potential pathway planning.

In both the 2017 and 2018 intakes, students from OTSS and SGC have applied, been selected, successfully completed the Level 1 programming, and had very positive Co-op experiences, which in turn has led to their full time employment in post-secondary.

Sample Course Pathway Chart



Students in System Classes (GLP, Autism, BIP)

Students from System classes can access the lab space to gain some experience and confidence working with their hands. OTSS has committed to providing more meaningful vocational experiences for students, as requested by parents of students in these programs, and they will also benefit from the upgraded lab. The current masonry teacher is teaching basic construction skills to students in ASD this semester.

Supporting Math Learning

Through a fully functioning Brick and Stone Masonry lab and the support of the Technology Department of OTSS, several concepts in Mathematics can be taught using practical, hands-on application.

MFM1P/L: *Number Sense and Algebra* - Solving problems involving proportional reasoning; *Measurements and Geometry* - Solving problems involving perimeter, area and volume, Investigating and applying geometric relationships

MFM2P/L: *Measurement and Trigonometry* - Solving problems involving similar triangles, Solving problems involving the trigonometry of right triangles, Solving problems involving surface area and volume using Imperial and metric systems of measurement; *Modeling Linear Relations* - Manipulating and solving algebraic equations.

A key aspect of credit intervention at OTSS is coordinating the collaboration between teachers in the shops and math teachers. A recent noticing was that students who may not be demonstrating understanding in the mathematics classroom are sometimes demonstrating application and understanding of concepts in the shops.

Experiential Learning and Awareness

Increased Grade 7 and 8 Experiential Learning: Students in Grade 7 and 8 will be able to access the lab space when curriculum is not being delivered. Transportation and release will be funded through the OYAP EPO. Specifics will be determined through consultation with OTSS Principal, Shannon Smith. Similar experiential learning opportunities have already been in place for secondary students. In 2018, over 50 students from across the district participated in these activities.

Consistency

Permanent home for the Level 1 training block, beginning February 2020: The Level 1 delivery requires two periods of lab time, for 13-14 weeks. At this time, OTSS does not have critical mass for eight scheduled periods in the lab space, so it will not interfere with OSSD credit delivery. A permanent home for the Level 1 delivery will aid significantly in program planning for students.

Benefits for the OMTC

The Ontario Masonry Training Centre benefits in following ways:

- Creates the potential for students to obtain Level 2 and Level 3 training through their organization
- Provides access to potential future employees to their partner organization
- Provides an opportunity for aging Brick and Stone Masons to mentor youth in the OCDSB

POTENTIAL NEXT STEPS

OMTC has been working with Windsor Essex Catholic District School Board under the same MOU and grant combination for the last four years. Through their partnership, WECDSB has developed a "Construction Academy" that combines programming in both the areas of Masonry and Carpentry. More information about this program can be found [here](#). This is a potential future step for the OCDSB, as we have excellent working relationships with Carpenters Union Local 93, Ottawa Construction Association and the Ontario Construction Secretariat.

RESOURCES

Staffing

- there is not additional FTE required to support these program enhancements; teacher training is funded by OMTC and OYAP
- Level 1 students remain of their home school and are under the supervision of their Co-op teacher
- The Level 1 Instructor is funded by MTCU.

Facilities

- waste removal; used materials from the lab will need to be removed from the site for disposal. OMTC will provide the bin and the OCDSB will be responsible for the disposal of the material when the bin is full. We are currently seeking more information from WECD SB as to approximate yearly costs.

COMMUNICATIONS/CONSULTATIONS TO DATE

Description	Timeline
Providing various Experiential Learning opportunities for students with colleges and partner organizations	October 2015-present
<p>Engage in discussions with OMTC to establish OYAP Level 1 seats for the OCDSB</p> <p>Attempt to broker an agreement between Algonquin College and the OMTC; exploring the possibility of embedding this opportunity under School College Work Initiative (SCWI) through Dual Credit</p> <p>Seek student interest for a Level 1 course in the Winter of 2017</p>	January 2016 - June 2016
Program held at 440 Albert or La Cite Collegiale	September 2017-present
Level 1 Graduation celebration	September 2017
Letter of Support provided to OMTC for their application to MTCU for access to the Skills Catalyst Fund	January 2018
Exploring the formalization of a partnership with OMTC and OYAP expansions	April 2018-May 2018
<p>OMTC, School SOI, School P and System P invited to a meeting to discuss the approval of the Skills Catalyst Fund by MTCU</p> <p>Discussion of a letter of agreement between the MTCU and the OCDSB</p>	June 2018-July 2018
Review of potential space at SGC (OMTC, Tech and Trades IC, Facilities Manager, OYAP IC,	December 2018-February 2019

School SOI, School P, System P invited)

Facilities recommended OTSS

Initial Conversations with OTSS

Communication with WECDSB

Draft MoU submitted by the OMTC to the
OCDSB (under review)