

## APPENDIX A

### Contract Awards Provided for Information (contracts over \$50,000 and up to \$175,000)

#	User/Budget Holder School/Department	Products/Services Details	Ward	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
1	IT Services SAP Operations	<b>Provision of Technical Support Services</b> Implementation of Human Capital Management Software <b>Extension of RFQ CF17-235Q</b>	N/A	Avalon Corporate Solutions	N/A	No	Sole Source	\$67,500	November 2020/ March 2021	IT Services SAP Operations
2	IT Services	<b>Google Cloud Search</b> A cloud-based intranet search tool that by indexing content, allows TDSB users to query and retrieve relevant information from internal TDSB websites. <b>AS21-114P</b>	N/A	StackPros Inc	Yes	No	2	\$42,291	December 2020/ December 2022	IT Services

## APPENDIX B

### Contracts Requiring Finance, Budget and Enrolment Committee Approval (contracts over \$175,000 and up to \$250,000)

#	User/Budget Holder School/Department	Products/Services Details	Ward	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
1	IT Services	<b>Risk-Based Vulnerability Management Tool</b>  <b>See Appendix 'D'</b>	N/A	Source44 Consulting Inc	N/A	N/A	Sole Source	\$192,000	January 2021 / December 2021	IT Services
2	Leadership, Learning & School Improvement – STEM and Library Learning Resources	<b>Gizmos Licence for Virtual and In-person Schools</b>  <b>See Appendix 'E'</b>	N/A	Explore Learning	N/A	N/A	Sole Source	\$222,000	January 2021 / June 30 2022	Virtual Schools  Library Learning Resources

## APPENDIX C

### Contracts Requiring Board Approval (contracts over \$250,000 and Consulting Services over \$50,000)

#	User/Budget Holder School/Department	Products/Services Details	Ward	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
1	Distribution Centre	<b>Classroom Papers and Exercise Workbooks</b> – to be provided as and when required to replenish inventory at the Distribution Centre.  <b>SS21-0044P</b>	N/A	BB Education  North American Paper Products  School Specialty  Baldwin School Supply	Yes	No	5	\$29,145  \$668,149  \$7,951  \$15,987	March 2021/ Feb 2025	Distribution Centre
2	All Schools	<b>Mobile Computer Charging Carts DA20-225Q</b> Provision of mobile charging carts on an as and when required basis.  (OECM 2017-MA-261-03 and OECM 2018-317)	N/A	Compugen   Diversified Audio Visual Canada Ltd.	Yes	No	2	\$156,750   \$368,800	February 2021/ November 2025  February 2021/ February 2024	IT Services  Purchasing Services  Toronto Catholic District School Board
3	Distribution Centre	<b>Health &amp; Safety Supplies</b>  Products to be provided as and when required to replenish inventory at the Distribution Centre. Examples include First Aid kits, replenishment supplies for First Aid kits, safety vests, ear plugs, etc.  <b>SS21-002P</b>	N/A	Office Central Medline Canadian Bearings Bolts Plus No. 1 (for) Safety Kit Care Latoplast Safety Express First Aid Central	Yes	No	20	\$3,317 \$34,015 \$119,651 \$9,605 \$30,622 \$47,337 \$4,374 \$36,650 \$17,471	February 2021/  December 2024	Distribution Centre  Purchasing Services

#	User/Budget Holder School/Department	Products/Services Details	Ward	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
				Tenaquip Wayne Safety				\$17,022 \$49,610		
4	All Locations	<p><b>Centrex Telephone Lines</b></p> <p>As part of the transition to a Voice over Internet Protocol (VoIP) phone system, a limited number of existing traditional phone lines (Centrex) need to be maintained for back-up/safety reasons at TDSB sites.</p> <p><b>See Appendix "F"</b></p>	N/A	Bell Canada	Single Source	N/A	N/A	<p>Yr 1 \$777,192</p> <p>Yr 2 \$733,200</p> <p>Yr 3 \$705,000</p> <p>Yr 4 \$676,800</p> <p>Yr 5 \$648,600</p>	January 2021/ December 2026	<p>Purchasing Services</p> <p>Tele- communications</p>

## BRIEFING NOTE

**Date** 20 January 2021

**To** Finance, Budget & Enrolment Committee

**From** Peter Singh, Executive Officer, Information Technology and Information Management

**Subject** **Risk-Based Vulnerability Management Tool**

**Purpose** The Skybox solution ingests TDSB system information, and adds threat intelligence onto the data, and provides a real and pertinent risk based information that will help TDSB staff to address high risk issues. This also helps TDSB IT staff to become more efficient when addressing high risk issues, as the information is based on real and material risk.

The Cyber Security & Risk Management team have identified the following needs from Skybox for our TDSB infrastructure:

- It provides TDSB staff with vulnerability exposures and exploitable attack vectors on-demand with intelligence on exploits in the wild.
- It identifies exposed vulnerabilities using a network model, attack vector analytics and advanced, multi-step attack simulations.
- It prioritizes vulnerabilities based on threats and the risk imposed to the TDSB network.
- It discovers potential attack scenarios and detects bypassed or compromised security measures.
- It discovers vulnerabilities on the TDSB network and security devices and traditionally “un-scannable” systems or zones. It optimizes gradual risk reduction to systematically reduce the attack surface and ensures that potential threats don’t escalate.
- It provides detailed information of an average scan cycle, the risk level of threats to TDSB and the number of vulnerability occurrences in SLA (not late to be fixed).
- It provides us the knowledge, awareness, and overall security risk posture from a vulnerability perspective of the TDSB environment.

**Strategic Direction** • Allocate human and financial resources strategically to support student needs.

## BRIEFING NOTE

**Date** 20 January 2021  
**To** Finance, Budget & Enrolment Committee  
**From** Lucy Giannotta, System Superintendent, Leadership, Learning and School Improvement  
**Subject** **Gizmos – Web-based Math & Science Learning Tool**

**Purpose** Gizmos is a comprehensive web-based learning tool that provides teachers with over 400 virtual simulations about math and science concepts supporting grades 3-12. Because teachers use this tool to support instruction so students can interact with curriculum related content in a virtual “hands on” experience, it fits with our organizational goal to provide all students with access to high quality content and meaningful learning experiences. In addition to historically high usage over the years, Gizmos has proven particularly important in this school year due to the high demand for digital resources for instruction.

Curriculum Leaders and many other teachers and administrators in both secondary and elementary schools are strongly advocating for the renewal of this valuable teaching resource. Given their long-standing relationship, ministry provided access and familiarity with Gizmos, educators have already tailored lesson plans and assessments around many of the simulations. Withdrawing access to Gizmos would negatively impact future teaching and learning experiences across the system.

Gizmos supports the TDSB multi-year strategic plan in the following ways:

- Promotes the use of research-informed instructional and assessment practices through an engaging program to help students develop strong STEM skills.
- Content supports students with special education needs through visual and interactive learning objects that support exploration and experimentation of scientific concepts and natural phenomena
- Teachers and student will have an increased understanding of STEM concepts and instructional and assessment strategies, and differentiated support for students who may face barriers to achievement in STEM.
- As a device agnostic program, Gizmos supports equitable access for all students regardless of available technology device (ie. mobile, tablet, PC, etc).

On March 5, 2020 the Ministry announced they would be changing their approach to providing digital learning resources to school boards and would

no longer be supplying a substantial list of learning resources as their licences expired. Adequate funding was not provided to provide these licences at the board level. Staff have engaged in extensive discussion and negotiation to secure specialized pricing for the TDSB. Regular pricing is \$6.50/student. This quote represents TDSB pricing at \$2.50/student and includes professional learning and preservation of data for TDSB users from the Ontario Software Acquisition Program Advisory Committee (OSAPAC) licence.

TDSB students and teachers have had access to Gizmos through OSAPAC for over 13 years. Usage is high and increasing with 179,675 student and teacher logins representing use of multiple learning objects in the 2019-20 school year. Over 50% of that amount was reached within the first two months of this school year.

TDSB In Person and Virtual Schools require digital content resources to support instruction. Gizmos provides key resources for science instruction in grades 7-12 science classrooms, especially when science labs and experiments are unable to be conducted in person.

TDSB STEM has engaged in a survey of available science simulation products. After this review, no equivalent science simulation resource was found to exist that supported Ontario curriculum or provides the volume and depth of experience for students. Additionally, TDSB educators have invested significant time over many years in developing lessons that are supported by the content of Gizmos. This licence supports students in both Virtual and In-person schools.

Gizmos is a copyrighted and unique product. It is copyrighted by Explore Learning who have exclusive distribution and ownership of this product.

- Strategic Direction**
- Allocate human and financial resources strategically to support student needs.

## BRIEFING NOTE

**Date** 20 January 2021

**To** Finance, Budget & Enrolment Committee

**From** Peter Singh, Executive Officer, Information Technology and Information Management

**Subject** **Centrex Service Contract**

**Rationale** In 2013, the Board approved the transition to Voice over Internet Protocol (VoIP) technology. This transition has reduced the cost of phone services across the TDSB. There is a need to maintain some of the traditional Centrex lines for emergency and back-up purposes.

### **What is VoIP?**

Voice over Internet Protocol (VoIP) is a set of transmission technologies for delivery of voice communications over Internet Protocol data networks rather than the traditional public-switched telephone network (PSTN). In short, VoIP allows the Board to run telephone services on the same fiber optic wide area network that provides access to email and other networked applications.

### **What is Centrex?**

Centrex has been the prevalent telephone service at TDSB, prior to the transition to VoIP. To retain our established telephone numbers, we have migrated Centrex numbers to the VoIP system.

### **Will all Centrex lines be eliminated?**

No, there will be a need to maintain some Centrex lines for various reasons such as:

- Emergency services when power is not available.
- Service for fax machines, elevators, pools and security monitoring.

### **Centrex line reduction**

As of January 1<sup>st</sup> 2021, the TDSB Centrex line count was 2756. By the end of the 5 year term, the Centrex line count is expected to diminish to



approximately 2300.

Bell has confirmed fixed rate (\$23.38 per line) that is the best for any former original Toronto Large Organization Centrex (LOC) customer. Bell has made additional investments in new Centrex Switches to extend the life of the Centrex service. The amount below includes mandatory 911 service line charge of \$0.12 per line.

Year	Centrex Line Count	Annual Expenditure
2021	2756	\$777,192
2022	2600	\$733,200
2023	2500	\$705,000
2024	2400	\$676,800
2025	2300	\$648,600
Total Contract		\$3,540,792