



KEV KAWM UA HAUJ LWM & KEV KAWM TXUJ CI CUAM TSHUAM RAU HAUJ LWM
PHAU NTAWV TEEV COV KEV KAWM

Phau Ntawv Teev Cov Kev Kawm Hauv Xyoo 2024-2025



MUAJ TSHEB THAUJ MUS LOS DAWB RAU NTAWM KOJ LUB HIGH SCHOOL

CTE Nyob Hauv MPS...

Cov kev kawm CTE npaj muaj ib lub cib fim coj los ua kom koj paub muab txhua yam koj kawm nyob hauv cov kev kawm tseem ceeb (lej, science, lus, thiab social studies) coj mus siv rau hauj lwm, cov dej num uas yuav tau nqes tes ua; sau koj tsab ntawv nrhiav hauj lwm thiab kawm cov txuj ci uas yuav muab siv tau rau tej yam muaj tiag.

Cov kev kawm CTE yeej cia koj mus tshawb fawb ntau yam hauj lwm thiab cov txuj ci uas cuam tshuam rau cov hauj lwm ntawd thaum koj:

- nrhiav yam hauj lwm uas koj xav ua,
- tau qhab nia rau tsev kawm ntawv qib siab,
- kawm cov txuj ci uas siv rau tej phab hauj lwm,
- npaj kev rau koj taug tom qab kawm tiav high school lawm, thiab
- npaj rau qhov uas yuav muaj tshwm sim txuas ntxiv tom ntej!

Cov tub ntxhais kawm qib 11 & 12 yeej mus tso tau npe kawm txhua yam kev kawm CTE uas muaj qhia tim ntsej tim muag thiab qhia nyob hauv online.

Cov tub ntxhais uas kawm qib 10 yeej mus tso tau npe kawm txhua qhov kev kawm uas muaj qhia nyob hauv online nyob rau thawj semester, thiab cov kev kawm uas muaj qhia nyob hauv online los sis qhia tim ntsej tim muag tib sim nyob rau semester 2.

Cov tub ntxhais kawm qib 9 yeej mus tso tau npe qhov kev kawm 99201 - Tshawb fawb txog hauj lwm (mus xyuas phab ntawv 4) uas yuav pab qhia kom koj paub mus kawm cov kev kawm CTE uas koj nyiam nyob hauv qib 10, 11, los sis 12 thiab yuav pab koj txiav txim saib koj puas yuav mus kawm kom tau daim ntawv pov thawj rau qhov kev kawm Int'l Baccalaureate Career Programme.

Rau txhua txhua ib qhov kev kawm CTE twg uas koj kawm, koj yuav tau siv koj cov sij hawm hauv ib hnuv kawm ntawv ntev txaus kawm li ib los sis qhov kev kawm.

- Cov tub ntxhais kawm ntawv yeej mus kawm tau cov kev kawm CTE uas muaj qhia nyob hauv online lub sij hawm twg los tau. Cov kev kawm CTE uas muaj qhia nyob hauv online feem ntau yog cov uas yuav tau qhab nia li 0.5 rau cov qhab nia hauv high school. Cov kev kawm uas muaj qhia nyob hauv online yog cov uas muaj "AO" nyob rau ntawm tus lej yuav muab npe mus kawm.
- Peb yuav muab tsheb thauj mus los dawb rau cov tub ntxhais kawm ntawv uas lawv tso npe mus kawm ib cov kev kawm nyob ntawm ib lub chaw Tech Center. Ib cov kev kawm uas kawm nyob ntawm ib lub chaw Tech Center yog cov uas tau 1.0 qhab nia rau cov qhab nia hauv high school.

Cov Kev Kawm CTE Uas Npaj Hais Tias Yuav Muaj Nyob Rau Ntawm Tech Center Bell Hauv Xyoo 2024-2025

Txhua lub chaw Tech Center yeej muaj tshais rau cov tub ntxhais noj dawb, thaum 7:35-8:00 teev sawv ntxov. Tag nrho cov tub ntxhais kawm ntawv yuav mus noj su nyob ntawm lawv lub tsev kawm ntawv.

7:25 - 8:00 teev sawv ntxov Muaj Tsheb Thauj Dawb ntawm koj lub high school mus rau ntawm lub chaw kawm - lub sij hawm thauj ntawm lub chaw kawm mus rau lub high school yuav muaj txawv nyob rau ntawm ib lub chaw mus rau ib lub chaw.

Cov Kev Kawm Yav Sawv Ntxov | 8:05 - 10:00 a.m.

10:05-10:35 a.m. Muaj Tsheb Thauj Dawb rov qab mus rau ntawm cov high schools

Cov Kawm Thaum Ib Nrab Hnuv| Nyob hauv nruab nrab ntawm 10:05 a.m. - 1:00 p.m. *Cov sij hawm yuav muaj txawv nyob rau ntawm ib lub chaw Tech Center mus rau ib lub*

12:15-1:00 p.m. Muaj Tsheb Thauj Dawb ntawm koj lub high school mus rau ntawm lub chaw kawm - lub sij hawm thauj ntawm lub chaw kawm mus rau lub high school yuav muaj txawv nyob rau ntawm ib lub chaw mus rau ib lub chaw.

Cov Kev Kawm Yav Tav Su Dua | 1:05 - 3:00 p.m.

3:05 - 3:45 p.m. Muaj Tsheb Thauj Dawb rov qab mus rau ntawm cov high schools.



Mus nrhiav cov kev kawm uas yuav yog cov zoo rau koj...

Kauj Ruam 1: Muab cov kev kawm uas muaj nyob hauv phau ntawv no koj los xyuas

Kawm kom paub ntiv txog CTE & the I.B.Career Programme	...Phab ntawv 2
Kev Kawm Txog Hauj Lwm (Career Exploration)	...Phab ntawv 5
Kev Kawm Txog Kev Ua Liaj Ua Teb (Agriculture)	...Phab ntawv 6
Kev Kawm Txog Lag Luam (Business)	...Phab ntawv 7
Kev Qhia Ntawv Hauv Ib Cheeb Tsam Uas Muaj Neeg Coob thiab Muaj Ntau Haiv Neeg Nyob (Urban Education)	...Phab ntawv 8
Kev Kawm Txog Kev Cai Lij Choj & Pej Xeem Txoj Kev Nyab Xeeb (Law & Public Safety)	...Phab ntawv 9
Kev Kawm Txog Kev Saib Xyuas Txoj Kev Noj Qab Nyob Zoo (Healthcare)	...Phab ntawv 10
Kev Kawm Txog Computer (Computer Science)	...Phab ntawv 12
Kev Kawm Txog Kev Siv Duab (Media Arts)	...Phab ntawv 14
Kev Txog Kev Tsim Qauv (Engineering)	...Phab ntawv 16
Kev Kawm Txog Txuj Ci Siv Tib Neeg Hlau & Dav Hlau Tsis Muaj Neeg Tsav (Robotics & Drone Technology)	...Phab ntawv 17
Kev Kawm Kho Tsheb (Automotive)	...Phab ntawv 18
Kev Kawm Txog Kev Tsim Tsa & Kev Cam/Txuas Hlau (Construction & Welding)	...Phab ntawv 19
Kev Kawm Txog Txuj Ci Siv Tshuab (Machine Technology)	...Phab ntawv 20

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Kauj Ruam 2: Paub cov kev kawm uas koj xav kawm

Kauj Ruam 3: Xaiv cov kev kawm uas koj xav kawm nyob ntawm ctecoursefinder.mpls.k12.mn.us

Thaum koj siv qhov txuj ci nrhiav kev kawm CTE Course Finder Tool koj los muab cov kev kawm uas koj xaiv xa mus, nws yuav xa lus mus hais tus kws pab tswv yim nyob ntawm koj lub high school paub hais txog qhov kev xav mus kawm thiab nws yuav pab koj ua kom tiav qhov kev muab npe mus kawm.

Lus qhia ntxiv:

- Tag nrho cov kev kawm CTE yeej yog ib cov uas yuav muab suav tau hais tias yog cov kev kawm uas tus tub ntxhais yuav xaiv tau nyob hauv cov kev kawm uas yuav tsum tau kawm tag es thiaj li yuav kawm tiav high school. Muaj tej cov kev kawm CTE los yeej yog cov kev kawm uas yuav muab suav ua koj qhov kev kawm Art los sis Science uas koj yuav tsum tau kawm tag es koj thiaj li yuav kawm tiav high school.
- Ntau cov kev kawm CTE yeej yog ib qhov kev kawm uas yuav muab suav tau ua qhab nia kawm nyob hauv tsev kawm ntawv qib siab. Yog hais tias ib qhov kev kawm yeej yog ib qhov uas yuav muab suav tau ua qhab nia kawm nyob hauv tsev kawm ntawv qib siab, nws yuav muaj lus qhia nyob rau ntawm lub rooj teev lus ntawm txhua phab ntawv.
- Lub rooj teev lus nyob ntawm txhua phab ntawv yeej muaj lus qhia lub chaw uas muaj qhov kev kawm. Cov kev kawm uas muaj rau cov tub ntxhais kawm ntawv xaiv yog muaj cov kev kawm uas qhia tim ntsej tim muag nyob rau ntawm ib lub chaw CTE Tech Center, muaj cov kev kawm uas qhia nyob hauv online los sis muaj ob peb qhov kev kawm yog cov uas muaj qhia nyob rau ntawm cov tsev kawm ntawv uas tsis yog CTE Tech Center.
- Cov kev kawm uas muaj txhua xyoo yuav yog nyob ntawm saib muaj cov tub ntxhais uas xav kawm thiab mus tso npe kawm coob npaum li cas.

10 Reasons



why the IB Career-related Programme (CP) is the ideal study for students looking to pursue a range of pathways

1



It encourages you to think about others

The service learning course allows you to make a positive difference to the world around you.

2



Explore, understand and engage in real world issues

The CP requires you to explore, analyse and evaluate global issues from a local perspective.

3



It integrates academic and practical learning

The CP combines academic rigour with practical study; and develops skills and competencies required for life-long learning.

4



It allows you to do what you really want to do

You can combine your academic subjects with your interests and skills.

10



Become an independent learner

Taking part in the reflective project, you learn how to research subjects and explore multiple sources of information.

6



Learn about different cultures

Language development encourages you to engage with other cultures and increase your understanding of the wider world.

5



It gives you more career options

With a CP, you can access further education, apprenticeships and employment in areas such as business, IT, health care, sports and many others.

9



Develop essential life skills

Skills including critical thinking, communication and personal development are an important focus of the CP.

7



Build friendships and connections

Collaborative projects allow you to build friendships as well as working relationships.

8



Explore and apply your creativity in innovative ways

Personal and professional skills courses promote creative thinking techniques.



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CAREER & TECHNICAL EDUCATION

Cov Txuj Ci Uas Yuav Muab Siv Tau Rau Tej
Yam Uas Ntawv Hnub Muaj (Real Skills for the
Real World)

Mus tso npe kawm hnub no!

Hu xov tooj mus rau IBCP tus neeg saib
xyuas qhov kev qhia
nyob ntawm koj lub tsev kawm ntawv
high school los sis sau email mus rau
cteinfo@mpls.k12.mn.us,

Career-related Programme



Qhov Kev Kawm Ua Hauj Lwm Uas Qhia Raws Kev Muaj Ntau Haiv Neeg (IB Career-related Programme)

Npaj nyob ib cheeb tsam ntawm no. Siv tau thoob ntiaj teb.

Qhov kev qhia ntawv ntawm no yog ib qhov uas muaj rau tag nrho cov
tub ntxhais kawm qib 11 thiab 12 nyob hauv MPS Cov Tsev Kawm Ntawv IB
High Schools uas lawv xav mus kawm.

Qhov kev qhia ntawv IB Career-related Programme (IBCP) yog Technical
Education thiab IB Diploma Programme ib cov kev kawm uas qhia nyuaj,
qhia Hauj Lwm zoo li kawm nyob hauv tsev kawm ntawv qib siab.

Qhov kev qhia ntawv ntawm no npaj muaj cib fim rau cov tub ntxhais kawm
ntawv los mus kawm kom lawv muaj cov txuj ci uas siv nyob rau hauv tej yam
hauj lwm, kom lawv tau qhab nia rau tsev kawm ntawv qib siab/tau ntawv
pov thawj hais tias kawm tiav, thiab kom lawm muaj txuj ci ntixiv thaum lawv
npaj yuav mus kawm ua cov hauj lwm nyob rau high tech, hauj lwm them
nyiaj ntau, hauj lwm qhib ntau.

Xaiv mus kawm ib yam ntawm 15 Yam Hauj Lwm.

- Kev Kawm Txog Kev Ua Liaj Ua Teb (Agriculture)
- Kev Kawm Kho Tsheb Thaum Puas & Kev Kawm Kho Tsheb Thaum Tsheb Sib Tsoo (Automotive Tech & Collision Repair)
- Kev Kawm Txog Kev Pib Lag Luam & Kev Tshaj Tawm Lag Luam (Business Entrepreneurship & Marketing)
- Kev Kawm Txog Computer (Computer Science)
- Kev Kawm Txog Kev Tsim Tsa (Construction)
- Kev Kawm Txog Kev Saib Xyuas Kev Ruaj Ntseg Ntawm Kev Siv Khoom Hluav Taws Xob (Cybersecurity)
- Kev Kawm Txog Kev Qhia Ntawv (Education)
- Kev Txog Kev Tsim Qauv (Engineering)
- Kev Kawm Txog Kev Saib Xyuas Txoj Kev Noj Qab Nyob Zoo (Healthcare)
- Kev Kawm Txog Kev Cai Lij Choj & Pej Xeem Txoj Kev Nyab Xeeb (Law & Public Safety)
- Kev Kawm Txog Txuj Ci Siv Tshuab (Machine Technology)
- Kev Kawm Txog Kev Siv Duab (Media Arts)
- Kev Kawm Txog Txuj Ci Siv Tib Neeg Hlau & Dav Hlau Tsis Muaj Neeg Tsav (Robotics & Drone Technology)
- Kev Kawm Txog Kev Cam/Txuas Hlau (Welding)
- & ntau yam kev kawm ntixiv uas yuav muaj zoo li cov tsev kawm ntawv qib siab ob xyoo nyob rau ib cheeb tsam ntawm no thiab cov koom haum nyob hauv lub zej zos uas nrog MPS koom tes muaj raws li qhov uas cov tub ntxhais kawm ntawv nyiam

Ntxiv rau qhov qhab nia 1.5 ntawm yam kev kawm CTE cuam tshuam ib yam hauj lwm, IBCP cov tub ntxhais kawm ntawv yuav tsum tau kawm kom tag cov kev kawm hauv qab nyob rau xyoo lawv kawm qib 11 thiab 12 es lawv thiab li yuav tau ib daim ntawv pov thawj hais tias lawv yog ib tus tub ntxhais kawm tag qhov kev kawm ntawv IBCP.

- Ob los sis ntau tshaj IB Diploma Programme ob qhov kev kawm
- Ib qhov kev kawm ib yam lus hauv ntiaj teb los sis ib qhov kev kawm uas nws kawm nws tus kheej
- 50 teev rau Kev Kawm Mus Pab Tib Neeg
- Sau Ib Tsab Ntawv Qhia Hais Tias Saib Kawm Tau Dab Tsi (Reflective Project)
- Qhov kev kawm CTE, 99204 Txuj Ci Pab Tus Kheej & Txuj Ci Rau Kev Txawj Ntse (IB Personal & Professional Skills) (mus saib ntawm phab ntawv 4)



Tsis paub hais tias qhov kev kawm CTE dab tsi thiaj li yuav yog qhov zoo rau koj?

duab ntawm ib lub xov tooj ntawm tes coj los xoo lub cim QR code ntawm
no mus kawm kom paub ntxiv txog CTE cov kev kawm thiab yam hauj lwm
uas yuav haum koj tus cwj pwm, qhov koj nyiam thiab qhov koj ua tau zoo.
Siv lub koob yees

PIB MUS TSHAWB FAWB HNUB NO.



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**CAREER
& TECHNICAL
EDUCATION**

Kev Kawm Txog Hauj Lwm (Career Exploration)

NRHIAV POM. NPAJ. UA TIAV.



Puas tseem npaj hais tias koj yuav mus ua dab tsi tom qab kawm tag high school? Muab tej txuj ci uas koj kawm nyob hauv high school coj mus siv tau rau tej yam muaj tiag thiab rau cov hauj lwm uas yuav haum zoo tshaj rau tej yam koj nyiam thiab tej yam uas koj yeej ib txwm ua tau. Kawm kom muaj cov txuj ci uas yuav tsum tau muaj es thiaj li yuav mus ua tau hauj lwm thiab mus kawm txog cov hauj lwm thiab cov txuj ci uas yuav tsum tau muaj es thiaj li yuav nkag tau mus ua yam hauj lwm uas koj xaiv.

Muaj qhia tim ntsej tim muag los sis qhia nyob hauv online @ koj lub high school

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Muaj Ua Ntej	Qhab Nia	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiaj	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia
99201	Kev Tshawb Fawb Txog Hauj Lwm (Investigating Careers) (Muaj rau cov tub ntshais kawm qib 9)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Tsis yog

Tsim qauv rau koj lub neej yav tom ntej thiab npaj hais tias yuav mus ua dab tsi tom qab kawm tag high school! Nyob hauv qhov kev kawm ntawm no, koj yuav tsim ib cov qauv uas muaj zoo li cov hauj lwm koj xav ua - mus tshawb fawb kom paub hais tias saib yam hauj lwm ntawd muaj zoo li cas tam sim no thiab saib yuav muaj zoo li cas yav tom ntej; sib tham txog cov teeb meem ntawm txoj kev noj qab nyob zoo/kev nyab xeeb ntawm txoj hauj lwm thiab cov kev sib raug zoo ntawm lub chaw hauj lwm thiab cov neeg ua hauj lwm; paub yam tseem ceeb rau tus kheej, txoj hauj lwm, thiab lub neej; thiab sau ib tsam ntawv nrhiav hauj lwm. Qhov kev kawm ntawm no yog ib qhov uas yuav tsum tau kawm ua ntej es thiaj li yuav mus kawm tau qhov kev kawm 99205.

99203	Kev Npaj & Kev Kawm Rau Kev Ua Hauj Lwm (Career Planning & Development)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Tsis yog
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Mus kawm txog cov hauj lwm uas koj xav ua! Qhov kev kawm ntawm no yuav siv cov txuj ci thiab txhua yam uas muaj nyob hauv lub neej cov qhia koj hais txog txoj kev xaiv ib yam hauj lwm thiab cov hom phiaj rau kev mus kawm tsev kawm ntawv qib siab uas muaj zoo li yam hauj lwm uas koj xav ua. Npaj zoo ib yam li cov kev kawm uas kawm tus kheej, koj yuav nrog koj tus xib hwb qhia tawv thiab cov neeg koom tes nyob hauv lub zej zos sib tham los mus tsim ib txoj kev khiaj hauj lwm uas qhia cov dej num thiab qhov kev tshawb fawb uas koj yuav ua los mus ua kom koj muaj txuj ci thiab muaj kev pab ntxiv txog ib yam hauj lwm.

99204	IBCP Cov Txuj Ci Pab Tus Kheej & Txuj Ci Rau Kev Txawj Ntse (Personal & Professional Skills)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Tsis yog
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Koj puas yog ib tus tub ntshais kawm ntawv IBCP? Qhov kev kawm ntawm no yog ib qhov uas IBCP yuav tsum kom muaj thiab yeej muaj sijhawm los txheeb xyuas thiab los mus kawm coj los kho thiab coj los ua kom tiav qhov kev kawm Reflective (kev tshawb fawb txog hauj lwm) Project thiab coj los npaj lawv qhov kev kawm Language Portfolio. Kawm kom muaj cov txuj ci rau kev paub muab ub muab no tso tau raws li qhov yuav ua tau hauj lwm zoo, rau kev txuas lus, rau kev koom tes, rau kev xav txog tej yam uas twb muaj tag los lawm, kev txiav txim los mus ua qhov yog, kev paub txog neeg tej kab lis kev cai, thiab kev paub txog tej ntaub ntawv nyob hauv chaw ua hauj lwm.

99205	Kev Ua Hauj Lwm Kom Muaj Txuj Ci Ua Hauj Lwm Rau Tej Phab Hauj Lwm (Career Work Experience) (Muaj rau cov tub ntshais kawm qib 11 thiab 12 kawm xwb)	99201	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Tsis yog
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Tau nyiaj zoo li ua hauj lwm thaum koj tab tom kawm! Paub hais tias saib cov txuj ci koj kawm hauv tsev kawm ntawv thiab ntawm cov hauj lwm koj tau ua uas tau nyiaj ua hauj lwm thiab tsis tau muaj kev cuam tshuam zoo li cas nyob hauv lub zej zos. Sau ib tsab ntawv nrhiav hauj lwm uas qhia cov hauj lwm koj tau ua los thiab txiav txim hais tias koj nyiam yam hauj lwm dab tsi. MPS ib tus xib hwb qhia qhov kev kawm kom muaj txuj ci ua hauj lwm yuav txheeb xyuas tag nrho cov hauj lwm uas koj mus ua kom muaj txuj ci ua hauj lwm thiab kom muaj zoo li txhua yam uas Minnesota Department of Education yuav kom muaj thiab yuav kom kawm ua ntej. Koj yuav tsum tau muaj 16 xyoo es koj thiaj li yuav mus kawm tau qhov kev kawm ntawm no.



Xav mus kawm txog hauj lwm los sis xav musx yaum ib qhov hauj lwm nyob hauv lub xyoo kawm ntawv?

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



Kev Ua Liaj Ua Teb Nyob Ib Cheeb Tsam Hauv Nroog (Urban Agriculture)

COG. HLOJ HLOB. MUS SAU.



Kawm txog lub ntuj uas tshiab thiab muaj tej khoom uas ib txwm txawm muaj, nyob ntawm no hauv lub ntawm. Kawm kom paub hais tias nroj tsuag thiab av muaj kev cuam tshuam zoo li cas rau tib neeg txoj kev noj qab nyob zoo thiab lub neej. Daws teeb meem ntawm kev muaj zaub mov noj nyob hauv koj lub zej zos. Paub tag nrho cov ntawm no thiab ntau yam ntxiv nyob hauv cov kev kawm txog Kev Ua Liaj Ua Teb Nyob Ib Cheeb Tsam Hauv Nroog (Urban Agriculture).

CTE | Edison Tech Center

Muaj tshab thauj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe Mus Kawm

Qhov Kev Kawm Lub Npe

Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej

Qhab Nia

Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiaj

Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia

90101 90201	Kev Ua Liaj Ua Teb Nyob Ib Cheeb Tsam Hauv Nroog (Urban Agriculture) Kev Kawm Txog Nroj Tsuag thiab Xyoob Ntoos & Kev Cog Khoom (Plant Science & Horticulture)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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90101 Kev Ua Liaj Ua Teb Nyob Ib Cheeb Tsam Hauv Nroog (Urban Agriculture) - 90101

Kawm txog cov txuj ci technologies tshiab thiab kawm kom paub hais tias saib txoj kev ua liaj ua teb nyob ib cheeb tsam hauv ntawm, kev kawm txog khoom noj, thiab cov khoom uas ib txwm txawm muaj yuav muab peb txoj kev tsim thiab kev tswj txoj kev npaj khoom noj nyob hauv lub zej zos pauv mus zoo li cas. Ntxiv rau qhov no, npaj ib cov duab thiab lus qhia txog cov dej num uas tus kheej tau ua thiab sau ib tsab ntawv nrhiav hauj lwm koj los qhia cov lus txawj ntse thiab cov txuj ci ua hauj lwm hauv txoj kev npaj mus xyaum ib yam hauj lwm nyob hauv lub ntawm uas koj muaj.

Kev Kawm Txog Nroj Tsuag thiab Xyoob Ntoos & Kev Cog Khoom (Plant Science & Horticulture) - 90201

Kawm kom muaj txuj ci los mus cog khoom nyob rau ntau lub chaw, tsim qauv cog nroj tsuag kom zoo nkauj, thiab kev tu. Kawm kom paub hais tias saib kev ua liaj ua teb thiab kev cog nroj tsuag hauv ntawm muaj kev cuam tshuam li cas rau kev kawm txog nroj tsuag, huab cua txhua yam ib puag ncig, thiab cov khoom uas ib txwm txawm muaj nyob hauv lub zej zos.

CTE | Qhia Nyob Hauv Online

Tsis muaj kev thauj mus los - cov kev kawm no yog cov uas muaj qhia nyob ntawm koj lub high school nyob rau txhua lub sijhawm.

90101AO	Kev Ua Liaj Ua Teb Nyob Ib Cheeb Tsam Hauv Nroog (Urban Agriculture)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kawm txog cov txuj ci technologies tshiab thiab kawm kom paub hais tias saib txoj kev ua liaj ua teb nyob ib cheeb tsam hauv ntawm, kev kawm txog khoom noj, thiab cov khoom uas ib txwm txawm muaj yuav muab peb txoj kev tsim thiab kev tswj txoj kev npaj khoom noj nyob hauv lub zej zos pauv mus zoo li cas. Ntxiv rau qhov no, npaj ib cov duab thiab lus qhia txog cov dej num uas tus kheej tau ua thiab sau ib tsab ntawv nrhiav hauj lwm koj los qhia cov lus txawj ntse thiab cov txuj ci ua hauj lwm hauv txoj kev npaj mus xyaum ib yam hauj lwm nyob hauv lub ntawm uas koj muaj.

90201AO	Kev Kawm Txog Nroj Tsuag thiab Xyoob Ntoos & Kev Cog Khoom (Plant Science & Horticulture)	90101	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kawm kom muaj txuj ci los mus cog khoom nyob rau ntau lub chaw, tsim qauv cog nroj tsuag kom zoo nkauj, thiab kev tu. Kawm kom paub hais tias saib kev ua liaj ua teb thiab kev cog nroj tsuag hauv ntawm muaj kev cuam tshuam li cas rau kev kawm txog nroj tsuag, huab cua txhua yam ib puag ncig, thiab cov khoom uas ib txwm txawm muaj nyob hauv lub zej zos.



Xav mus kawm txog kev cog khoom noj nyob hauv lub ntawm loj?

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



Kev Kawm Txog Lag Luam (Business)

NPAJ. TSIM. NQES PEEV. UA.



Xav mus qhib ib lub lag luam rau koj khiav los sis xav mus ua hauj lwm rau ib lub tuam txhab? Kawm kom paub siv koj cov txuj ci txheeb xyuas ntaub ntawv los sis lag luam, kev qib lag luam, thiab kev coj noj coj ua los mus sau ib txoj kev npaj coj los qhib ib lub lag luam, coj los tshaj ib lub tswv yim tshiab, thiab coj los kawm ib cov txuj ci tswj ib yam hauj lwm uas yuav pab yam hauj lwm uas koj yuav mus ua yav tom ntej.

CTE | Edison Tech Center

Muaj tsheb thauj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiav	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia
93511 93711	Kev Pib Lag Luam (Entrepreneurship) Kev Kawm Txog Cov Tswv Yim Tseem Ceeb Ntawm Kev Tshaj Tawm Lag Luam (Principles of Marketing)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog

Kev Pib Lag Luam (Entrepreneurship) - 95311

Puas tau xav hais tias koj yuav qhib koj ib lub lag luam? Kawm mus tshawb fawb saib koj lub tswv yim los pib ib lub lag luam puas yuav yog ib lub uas yuav khiav tau zoo, kawm sau qhov kev npaj los qhib ib lub lag luam, thiab kawm khaws cov ntaub ntawv ntawm lub lag luam. Cov lus uas yuav kawm txog yog muaj kev ceev nyiaj txiag, kev tshaj tawm lag luam, kev tuav ntaub ntawv saib xyuas neeg ua hauj lwm, kev faj seeb, kev saib xyuas nyiaj txiag, kev siv tsev cia nyiaj thiab kev muab ib lub lag luam coj los txheeb xyuas raws li cov nuj nqis thiab cov txiag ntsim zoo.

Kev Kawm Txog Cov Tswv Yim Tseem Ceeb Ntawm Kev Tshaj Tawm Lag Luam (Principles of Marketing) - 93711

Kawm kom paub tshaj tawm thiab paub muag cov khoom rau ib tus qhua lag luam. Kawm kom paub cov tswv yim tseem ceeb ntawm kev tshaj tawm lag luam, kev tsim ib yam khoom, kev muab tus nqi qhov khoom, cov chaw uas yuav muab qhov khoom coj mus muag, kev tshaj tawm txog qhov khoom, thiab tus cwj pwm ntawm cov neeg uas yuav yog tus yuav qhov khoom. Ua kom koj paub txog tib neeg thaum koj txheeb xyuas thiab txiav xim hais tias ib cov tib neeg xav tau dab tsi, thaum koj tshawb fawb thiab tsim ib txoj kev coj los ua lag luam uas yuav qhia qhov khoom, tus nqi, lub chaw, thiab kev tshaj tawm.

91056 91646	Kev Kawm Txog Cov Lus thiab Lej Qhia Txog Lag Luam (Data Science) 1 Kev Kawm Txog Cov Lus thiab Lej Qhia Txog Lag Luam (Data Science) 2	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kev Kawm Txog Cov Lus thiab Lej Qhia Txog Lag Luam (Data Science) 1 - 91056

Kawm kom paub nrhiav cov lus los sis lej thiab paub siv cov lus los sis lej coj los qhia ib cov lus tseem ceeb! Nyob hauv qhov kev kawm ntawv no, cov tub ntxhais kawm ntawv yuav siv Microsoft Excel coj los ceev cov lus los sis lej qhia txog lag luam uas cuam tshuam rau cov teeb meem muaj tiag, kawm kom lawv muaj txuj ci los txheeb xyuas, kom lawv nkag siab thiab paub cov lus tseeb nyob hauv cov lus los sis lej qhia txog lag luam.

Kev Kawm Txog Cov Lus thiab Lej Qhia Txog Lag Luam (Data Science) 2 - 91646

Nrhiav ib cov qauv uas tsis tau pom dua nyob hauv cov lus los sis lej qhia txog lag luam uas muaj tam sim no! Nyob hauv qhov kev kawm ntawv no, koj yuav siv cov txuj ci thiab kev txheeb xyuas tshiab coj los txheeb xyuas cov lus los sis cov lej qhia txog lag luam uas muaj ntau kom pom tej cov qauv uas tsis tau pom dua, kom tsis tau cov ntaub ntawv tseem ceeb, thiab kom txiav tau xim rau kev ua lag luam.

93739	IB Qhov Kev Kawm Txog Lag Luam thiab Kev Saib Xyuas Lag Lag Luam (IB Business and Management SL)	Tsis yog	1.0	Yam Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (IB)	Yog
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Kawm txog cov kev khiag lag luam uas muaj ntau yam thiab muaj pauv sai nyob hauv lub ntiaj teb! Siv cov qauv saib xyuas lag luam thiab cov kev tshawb fawb coj los kawm cov hauj lwm ntawm kev saib xyuas neeg ua hauj lwm, ntawm nyiaj txiag thiab kev ceev nyiaj txiag, kev tshaj tawm lag luam thiab kev khiav lag luam los ntawm kev saib lag luam zoo li kab lis kev cai, kev ua qhov yog, kev ua lag luam thoob ntiaj teb, kev nrhiav tswv yim tshiab thiab kev npaj coj los khiav hauj lwm. Txawm koj tsis yog ib tus tub ntxhais kawm ntawv IB los, koj yeej mus kawm tau qhov kev kawm ntawm no.

CTE | Qhia Nyob Hauv Online

Tsis muaj kev thauj mus los - cov kev kawm no yog cov uas muaj qhia nyob ntawm koj lub high school nyob rau txhua lub sijhawm.

93301AO	Kev Tuav Nyiaj Txiaj Ntawm Tus Kheej (Personal Finance)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Tsis yog
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Kev Tuav Nyiaj Txiaj Ntawm Tus Kheej (Personal Finance) - 93301AO

Kawm kom paub tuav koj cov nyiaj txiag. Qhov kev kawm ntawm no yuav qhia txog kev saib xyuas tus kheej thiab tsev neeg tej nyiaj txiag. Kawm kom paub npaj ib qhov kev siv nyiaj txiag rau tsev neeg, npaj hais tias yuav ua li cas thaum muaj ib yam teeb meem uas yuav tau siv nyiaj, muab cov kev pab hais txog nyiaj txiag thiab kev siv tsev cia nyiaj coj los xyuas saib qhov twg zoo dua, tsim ib cov kev nqe peev coj mus ua lag luam, thiab ua tus kheej cov ntawv them se. Qhov kev npaj zoo heev kom koj mus nyob tau koj tus kheej!

93506AO	Qhov Kev Kawm Uas Yog Qhov Pib Rau Kev Kawm Txog Lag Luam (Intro to Business)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Qhov Kev Kawm Uas Yog Qhov Pib Rau Kev Kawm Txog Lag Luam (Intro to Business) - 93506AO

Rhais thauj kauj ruam mus rau txoj kev nkag siab txog kev khiav tau ib lub lag luam zoo. Qhov kev kawm ntawm no yuav qhia txog kev ua ib tus tswv lag luam, kev ua qhov yog, kev txiav xim hais tias yuav ua li cas, thiab kev ua lag luam zoo li nyob hauv lub ntiaj teb los ntawm kev ua thiab khiav ib lub lag luam ua piv txwv.

Xav mus kawm cov kev kawm txog Lag Luam?
Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



Mus kawm kom paub ntawv thiab mus tso npe kawm nyob ntawm cte.mpls.k12.mn.us

Kev Qhia Ntawv Hauv Ib Cheeb Tsam Uas Muaj Neeg Coob thiab Muaj Ntau Haiv Neeg Nyob (Urban Education)

UA KOM MOB SIAB UA. HAIS KOM NEEG UA. TXHAWB NQA.



Kawm txhua yam hais txog urban education thaum koj pab MPS cov xib hwb qhia ntawv thiab cov tub ntxhais kawm ntawv. Npaj cov ntawv uas yuav muab koj los qhia thiab hais kom cov me nyuam yaus pab. Mus ua ib tus neeg uas muaj feem cuam! Mus ua ib tus xib hwb qhia ntawv, ib tus kws pab tswv yim hauv tsev kawm ntawv, los sis ib tus kws pab tib neeg thiab ua tau ib yam tseem ceeb rau koj lub zej zos.

CTE | North Tech Center

Muaj tsheb thauj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe Mus Kawm

Qhov Kev Kawm Lub Npe

Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej

Qhab Nia

Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiaiv

Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia

02041 02061	Qhov Kev Kawm Uas Yog Qhov Pib Rau Urban Education (Introduction to Urban Education) Kev Qhia Ntawv Uas Muaj Ntau Yam Kab Lis Kev Cai (Multicultural Education)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Qhov Kev Kawm Uas Yog Qhov Pib Rau Urban Education (Introduction to Urban Education) – 02041

Kawm kom paub txog keeb kwm ntawm Meskas txoj kev qhia ntawv thiab qhov kev nug hais txog keeb kwm ntawm cov zeem muag rau txoj kev kawm ntawv thiab cov zeem muag rau txoj kev qhia ntawv. Sib tham hais txog cov teeb meem uas cov tub ntxhais, cov yim neeg, cov xib hwb qhia ntawv, cov tsev kawm ntawv, cov koog tsev kawm ntawv thiab cov zej zos muaj tam sim no. Ntxiv rau cov sij hawm nyob hauv chav kawm ntawv, cov tub ntxhais kawm ntawv yuav tsum tau mus koom cov kev kawm nyob hauv cov tsev kawm ntawv qib K-12/hauv lub zej zos li 30 teev.

Kev Qhia Ntawv Uas Muaj Ntau Yam Kab Lis Kev Cai (Multicultural Education) – 02061

Npaj lub zeem muag rau kev qhia ntawv uas muaj raws li koj cov kev ntseeg thiab qhov tseem ceeb rau koj uas suav cov kev npaj coj los qhia ntawv, cov txuj ci uas yuav muab siv coj los qhia ntawv, thiab cov ntau ntawv npaj coj los ua kom cov tub ntxhais kawm ntawv muaj suab, kawm tau ntau ntawv, thiab kom muaj kev qhia ntawv sib npaug zos rau txhua tus tub ntxhais kawm ntawv. Txheeb xyuas cov kev npaj rau kev qhia ntawv uas muaj raws li kev tshawb fawb coj los ua kom muaj yam kev pab raws li qhov uas yuav tau muaj rau cov tub ntxhais kawm ntawv uas yog ntau pab pawg tib neeg hais txoj kev ua yog, txoj kev muaj peev xwm ua tau, txoj kev muaj nyiaj xtiag thiab txoj kev hais lus txawv.

02051 02071	Khoom/Txuj Ci Technology Rau Kws Qhia Ntawv (Technology for Educators) Qhov Kev Qhia Ua Yog Qhov Pib Rau Kev Qhia Ntawv Tshwj Xeeb (Introduction to Special Education)	02041	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Khoom/Txuj Ci Technology Rau Kws Qhia Ntawv (Technology for Educators) – 02051

Vim yuav yog ib tus kws qhia ntawv yav tom ntej, yuav tau kawm kom muaj txuj ci technology coj los pab tub ntxhais kawm ntawv kawm kom tau ntau ntawv. Kawm txog ntau cov txuj ci rau kev npaj hais tias yuav ua li cas, kev qhia hais tias yuav ua li cas, kev txuas lus thiab kev khaws ntau ntawv. Mus sib tham txog “qhov kev sib cais hauv khoom hluav taws xob” nrog rau cov teeb meem ntawm kev ua qhov yog thiab kev ua raws txoj cai hais txog kev sib qhia txog khoom technology thiab ntau ntawv.

Qhov Kev Kawm Uas Yog Qhov Pib Rau Kev Qhia Ntawv Tshwj Xeeb (Introduction to Special Education) – 02071

Kawm txog kev qhia ntawv tshwj xeeb: keeb kwm ntawm yam hauj lwm no, kev qhia raws qauv, cov lus txhais, kev muab tso raws theem, cov qauv siv coj los pab cov neeg, seem uas muaj ntau zuj zus ntxiv mus thiab cov teeb meem. Txheeb xyuas cov teeb meem ntawm lub cev, txoj kev nrog lwm tus neeg sib txuas lus, txoj kev xav, thiab kev coj tus cwj pwm uas muaj kev cuam tshuam rau cov me nyuam yaus thiab cov tub ntxhais uas yog neeg xiam oob qhab. Paub txog cov teeb meem cuam tshuam rau txoj cai thiab cov cai tseem ceeb uas cuam tshuam rau cov tub ntxhais kawm ntawv uas lawv yuav tsum tau siv cov kev pab tshwj xeeb.



Xav mus ua ib yam hauj lwm nyob rau phab Kev Qhia Ntawv?

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



Kev Kawm Txog Kev Cai Lij Choj & Pej Xeem Txoj Kev Nyab Xeeb (Law & Public Safety)

MUS XYUAS. MUS NUG SAIB YOG MUAJ DAB TSI. MUS TIV THAIV. MUS PAB.



Kawm txhua yam txog kev cai lij choj, pej xeem txoj kev nyab xeeb, thiab cov hauj lwm ua thawj cov neeg uas yuav mus pab tib neeg thaum muaj teeb meem. Ntawm cov kws tua hluav taws mus rau cov tub ceev xwm thiab cov txwj laus sawv pej xeem hauv nroog (city council) thiab cov kws nug kom paub qhov tseeb thaum muaj neeg ua tsis raws txoj cai, yam hauj lwm cuam tshuam rau kev cai lij choj & pej xeem txoj kev nyab xeeb yeej muaj ntau yam hauj lwm rau neeg xaiv.

CTE | Edison Tech Center

Muaj tshab thawj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiav	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia
91101 91201	Qhov Kev Kawm Uas Yog Qhov Pib Rau Kev Cai Lij Choj & Kev Pab Pej Xeem (Intro to Law & Civil Service) Kev Sib Raug Zoo Ntawm Tub Ceev Xwm & Lub Zej Zos (Police & Community Relations)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog

Qhov Kev Kawm Uas Yog Qhov Pib Rau Kev Cai Lij Choj & Kev Pab Pej Xeem (Intro to Law & Civil Service) – 91101

Mus ntsia cov neeg uas lawv yog thawj cov neeg yuav mus pab tib neeg nyob hauv peb lub zej zos cov hauj lwm! Nyob hauv qhov kev kawm ntawm no, koj yuav kawm kom tau daim ntawv pov thawj Red Cross First Aide/CPR thiab yuav tau kawm ib cov txuj ci kawm neeg txoj sia thiab cov hauj lwm uas koj yuav tsum tau ua thaum koj mus txog ntawm lub chaw uas muaj ib qhov xwm ceev.

Kev Sib Raug Zoo Ntawm Tub Ceev Xwm & Lub Zej Zos (Police & Community Relations) – 91201

Cov kev sib tham thiab cov dej num yuav yog cov cuam tshuam rau cov tswv yim tseem ceeb ntawm txoj kev saib xyuas kev ruaj ntseg raws tej cheeb tsam (community policing), rau qhov hais tias saib txoj kev txiav plaub ntug yog ua hauj lwm li cas, thiab ib qhov kev txheeb xyuas thiab nkag siab txhua yam hais txog qhov hais tias saib tub ceev xwm, cov tsev hais plaub, thiab cov chaw tuav dej num saib xyuas neeg txhaum plaub muaj kev khiav hauj lwm cuam tshuam li cas los mus pab cov tib neeg uas muaj feem thiab cov zej zos.

CTE | Qhia Nyob Hauv Online

Tsis muaj kev thawj mus los – cov kev kawm no yog cov uas muaj qhia nyob ntawm koj lub high school nyob rau txhua lub sijhawm.

91101AO	Qhov Kev Kawm Uas Yog Qhov Pib Rau Kev Cai Lij Choj & Kev Pab Pej Xeem (Intro to Law & Civil Service)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Mus ntsia cov neeg uas lawv yog thawj cov neeg yuav mus pab tib neeg nyob hauv peb lub zej zos cov hauj lwm! Nyob hauv qhov kev kawm ntawm no, koj yuav kawm kom tau daim ntawv pov thawj Red Cross First Aide/CPR thiab yuav tau kawm ib cov txuj ci kawm neeg txoj sia thiab cov hauj lwm uas koj yuav tsum tau ua thaum koj mus txog ntawm lub chaw uas muaj ib qhov xwm ceev. Cov kev sib tham thiab cov dej num yuav yog cov cuam tshuam rau cov tswv yim tseem ceeb ntawm txoj kev saib xyuas kev ruaj ntseg raws tej cheeb tsam (community policing), rau qhov hais tias saib txoj kev txiav plaub ntug yog ua hauj lwm li cas, thiab ib qhov kev txheeb xyuas thiab nkag siab txhua yam hais txog qhov hais tias saib tub ceev xwm, cov tsev hais plaub, thiab cov chaw tuav dej num saib xyuas neeg txhaum plaub muaj kev khiav hauj lwm cuam tshuam li cas los mus pab cov tib neeg uas muaj feem thiab cov zej zos.

91201AO	Kev Sib Raug Zoo Ntawm Tub Ceev Xwm & Lub Zej Zos (Police & Community Relations)	91101	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Pab thiab tiv thaiv koj lub zej zos! Nyob hauv qhov kev kawm ntawm no, koj yuav kawm txog cov lub hnyav siab tshwj xeeb thiab cov kev tau muaj ib yam dab tsi cuam tshuam rau tub ceev xwm yav tag los nrog cov pej xeem uas muaj ntau haiv neeg thiab coj ntau yam kab lis kev cai. Cov kev sib tham thiab cov dej num hauv qhov kev kawm yuav qhia txog cov teeb meem cuam tshuam rau kev saib xyuas kev ruaj ntseg suav nrog rau kev tiv thaiv kom tib neeg tsis txhob ua tej yam txhaum txoj cai, kev sib raug zoo nyob ntawm tub ceev xwm thiab lub zej zos, kev txiav xim kom yog, kev muaj neeg coj ntau yam kab lis kev cai nyob ua ke, kev ua tub ceev xwm paub cai, kev raug txij nkawm tsim xom, kev ua txhaum txoj cai vim tus neeg txoj kev tsis nyiam ib yam neeg, thiab kev paub nrog neeg sib txuas lus.



Xav mus ua ib yam hauj lwm nyob hauv Kev Cai Lij Choj & Pej Xeem Txoj Kev Nyab Xeeb?

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



Mus kawm kom paub ntxiv thiab mus tso npe kawm nyob ntawm cte.mpls.k12.mn.us

Kev Kawm Txog Kev Saib Xyuas Txoj Kev Noj Qab Nyob Zoo (Healthcare)

TSHAWB FAWB. KUAJ SAIB YOG MUAJ DAB TSI PUAS. TIV THAIV. KHO KOM ZOO.



Puas tau muaj ib zaug uas koj xav paub hais tias saib tib neeg lub cev ua hauj lwm li cas? Kawm kom koj tau mus nqe tes ua thiab kom muaj cov txuj ci uas yuav pab kom nkag mus ua ntau yam hauj lwm nyob rau phab kev saib xyuas txoj kev noj qab nyob zoo thiab kev kho mob zoo li ib tus neeg mus pab tib neeg thaum muaj xwm ceev, ib tus neeg pab tus kws tu neeg mob, kws kho mob, los sis tus neeg pab kws muab tshuaj.

CTE | North Tech Center

Muaj tsheb thauj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiav	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia
98126 98616	Kev Kawm Txog Cov Lus Siv Hauv Kev Kho Mob (Medical Terminology) Kev Kawm Txog Cov Tswv Yim Tseem Ceeb Hauv Kev Saib Xyuas Txoj Kev Noj Qab Nyob Zoo (Healthcare Core)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog

Kev Kawm Txog Cov Lus Siv Hauv Kev Kho Mob (Medical Terminology) - 98126

Kawm kom paub cov lus uas cov neeg muaj kev kawm txog kev noj qab nyob zoo ib txwm siv! Qhov kev kawm ntawm no yuav qhia kom cov neeg paub thiab nkag siab cov lo lus hais txog kev kho mob thiab txhua yam nyob hauv tib neeg lub cev. Koj yuav tau kawm kom paub hais thiab paub sau cov lo lus siv rau kev kho mob, kawm txhais thiab kawm siv cov lo lus sau ua luv luv uas siv nyob hauv cov ntawv teeb meem rau kev kho mob thiab cov ntau ntawv kho mob, nrog rau kev paub sau, paub nyeem thiab paub txhais cov teeb meem kho mob.

Kev Kawm Txog Cov Tswv Yim Tseem Ceeb Hauv Kev Saib Xyuas Txoj Kev Noj Qab Nyob Zoo (Healthcare Core) - 98616

Puas xav mus tshawb fawb txog cov hauj lwm nyob rau phab kev saib xyuas txoj kev noj qab nyob zoo? Nyob hauv qhov kev kawm uas yog qhov pib ntawm no koj yuav kawm txog cov txuj ci yooj yim uas koj yuav tsum tau muaj es koj thiab li yuav mus ua tau hauj lwm rau phab kev kho mob. Cov ntsiab lus uas yuav mus kawm yog muaj: kev paub thiab kev ceev txhua yam uas tus neeg/tus neeg mob xav tau, cov cwj pwm uas yuav ua tau hauj lwm nyob hauv cov chaw saib xyuas txoj kev noj qab nyob zoo, cov txuj ci txuas lus uas yuav tsum tau muaj, kev ua qhov yog, teeb meem ua raws txoj cai, kev hwm txoj kev muaj ntau haiv neeg thiab ntau yam neeg ua hauj lwm, thiab cov qauv ntawm txoj kev nyab xeeb rau kev saib xyuas txoj kev noj qab nyob zoo.

98636	Kev Kawm Txog Txhua Yam Hauv Lub Cev & Lawv Txoj Hauj Lwm (Anatomy & Physiology)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kawm txog tib neeg lub cev rau theem tawv nqaij thiab txoj kev khiav hauj lwm ntawm lub cev! Qhov kev kawm ntawm no yuav yog lub hauv paus rau txhua txoj hauj lwm nyob rau phab saib xyuas txoj kev noj qab nyob zoo. Kawm kom paub cov khoom nyob hauv lub cev thiab kom paub cov hauj lwm thiab cov kev khiav hauj lwm uas cuam tshuam rau cov khoom ntawm no. Cov kev khiav hauj lwm ntawm lub cev yog muaj cov pob txha (skeletal), txoj kev ua pa (respiratory), txoj kev xa ntshav mus thoob plaws lub cev (circulatory), kev tsim thiab xa kua dej mus thoob plaws lub cev (limphatic), txoj kev xa xov hauv lub cev (nervous), cov khoom tiv thaiv ub no sab nraum (integumentary), thiab piab hnyuv (gastrointestinal).

98126 98146	Kev Kawm Txog Cov Lus Siv Hauv Kev Kho Mob (Medical Terminology) Neeg Pab Tib Neeg Thaum Lawv Muaj Ib Tus Mob Uas Yuav Tau Kho Tam Sim (Emergency Medical Responder)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kev Kawm Txog Cov Lus Siv Hauv Kev Kho Mob (Medical Terminology) - 98126

Kawm kom paub cov lus uas cov neeg muaj kev kawm txog kev noj qab nyob zoo ib txwm siv! Qhov kev kawm ntawm no yuav qhia kom cov neeg paub thiab nkag siab cov lo lus hais txog kev kho mob thiab txhua yam nyob hauv tib neeg lub cev. Koj yuav tau kawm kom paub hais thiab paub sau cov lo lus siv rau kev kho mob, kawm txhais thiab kawm siv cov lo lus sau ua luv luv uas siv nyob hauv cov ntawv teeb meem rau kev kho mob thiab cov ntau ntawv kho mob, nrog rau kev paub sau, paub nyeem thiab paub txhais cov teeb meem kho mob.

Neeg Pab Tib Neeg Thaum Lawv Muaj Ib Tus Mob Uas Yuav Tau Kho Tam Sim (Emergency Medical Responder) - 98146

Kawm kom paub kawm tau neeg txoj sia! Kawm kom muaj txuj ci kho mob tam sim thiab paub pab cov tib neeg uas lawv raug mob los sis muaj ib yam mob los sis muaj ib yam teeb meem mob nkeeg tam sim. Qhov kev kawm ntawm no yog thawj kauj ruam los mus kawm kom tau koj daim ntawv pov thawj ua American Red Cross Ib Tus Neeg Pab Tib Neeg Thaum Lawv Muaj Ib Tus Mob Uas Yuav Tau Kho Tam Sim.



Xav mus kawm ib cov kev kawm rau phab saib xyuas kev kho mob?

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



Kev Kawm Txog Kev Saib Xyuas Txoj Kev Noj Qab Nyob Zoo (Healthcare)

TSHAWB FAWB. KUAJ SAIB YOG MUAJ DAB TSI PUAS. TIV THAIV. KHO KOM ZOO.



CTE | Qhia Nyob Hauv Online

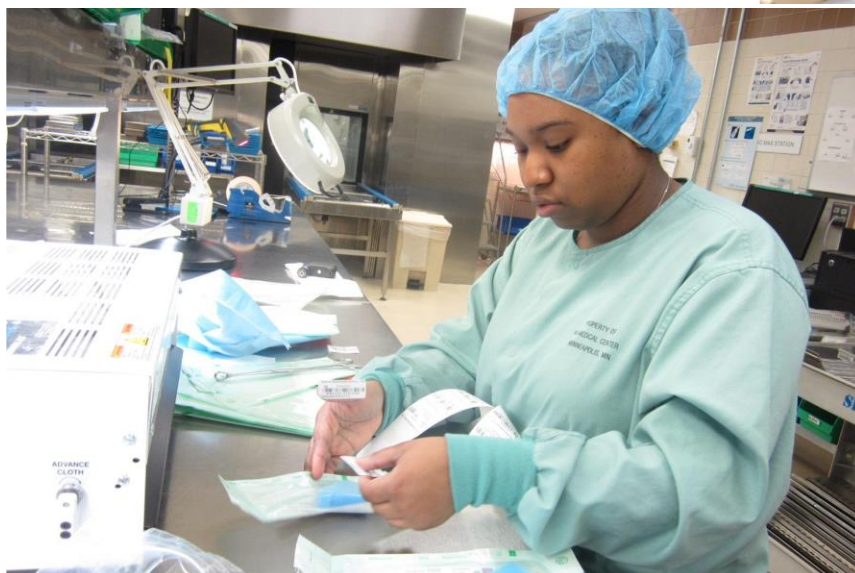
Tsis muaj kev thauj mus los - cov kev kawm no yog cov uas muaj qhia nyob ntawm koj lub high school nyob rau txhua lub sijhawm.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiav	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia (Credit)
98126AO	Kev Kawm Txog Cov Lus Siv Hauv Kev Kho Mob (Medical Terminology)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog

Kawm kom paub cov lus uas cov neeg muaj kev kawm txog kev noj qab nyob zoo ib txwm siv! Qhov kev kawm ntawm no yuav qhia kom cov neeg paub thiab nkag siab cov lo lus hais txog kev kho mob thiab txhua yam nyob hauv tib neeg lub cev. Koj yuav tau kawm kom paub hais thiab paub sau cov lo lus siv rau kev kho mob, kawm txhais thiab kawm siv cov lo lus sau ua luv luv uas siv nyob hauv cov ntawv teeb meem rau kev kho mob thiab cov ntaub ntawv kho mob, nrog rau kev paub sau, paub nyeem thiab paub txhais cov teeb meem kho mob.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiav	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia (Credit)
98616AO	Kev Kawm Txog Cov Tswv Yim Tseem Ceeb Hauv Kev Saib Xyuas Txoj Kev Noj Qab Nyob Zoo (Healthcare Core)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog

Puas xav mus tshawb fawb txog cov hauj lwm nyob rau phab kev saib xyuas txoj kev noj qab nyob zoo? Nyob hauv qhov kev kawm uas yog qhov pib ntawm no koj yuav kawm txog cov txuj ci yooj yim uas koj yuav tsum tau muaj es koj thiab li yuav mus ua tau hauj lwm rau phab kev kho mob. Cov ntsiab lus uas yuav mus kawm yog muaj: kev paub thiab kev ceev txhua yam uas tus neeg/tus neeg mob xav tau, cov cwj pwm uas yuav ua tau hauj lwm nyob hauv cov chaw saib xyuas txoj kev noj qab nyob zoo, cov txuj ci txuas lus uas yuav tsum tau muaj, kev ua qhov yog, teeb meem ua raws txoj cai, kev hwm txoj kev muaj ntau haiv neeg thiab ntau yam neeg ua hauj lwm, thiab cov qauv thiab kev khiav hauj lwm kom muaj kev nyab xeeb rau kev saib xyuas txoj kev noj qab nyob zoo.



Kev Kawm Txog Computer (Computer Science)

TSIM QAUUV. SAU. NRHIAV SAIB YOG VIM LI CAS ES THIAJ LI TSIS UA HAUJ LWM.



Xav kawm txog cov kev siv computer thiab txuj ci txog ntaub ntawv uas muaj tam sim no? Kawm txog txoj kev saib xyuas kev ruaj ntseg rau kev siv khoom hluav taws xob thiab kev sau txuj ci siv khoom hluav taws xob - mus kawm sau txuj ci siv khoom hluav taws xob los ua kom neeg siv tau yooj yim, mus sau cov apps, mus sau txuj ci rau kev ua si (games), mus muab tej ntaub ntawv tso kom raws seem, mus kawm kom paub cov teeb meem tsis muaj kev ruaj ntseg ntawm cov vas sab, thiab tsim kev tiv thaiv coj los ua kom muaj kev ruaj ntseg.

CTE | North Tech Center

Muaj tsheb thauj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia (Credits)	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiav	Siv Tau Rau Kev Kawm Tsew Kawm Ntawv Qib Siab Qhab Nia (Credit)
95616	Kev Kawm Txog Cov Tswv Yim Tseem Ceeb Ntawm Kev Kawm Txog Computer (Computer Science Principles)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog

Kawm kom koj paub sau txuj ci siv khoom hluav taws xob ntau ntxiv! Nyob hauv qhov kev kawm ntawm no, koj yuav kawm cov txuj ci tseem ceeb uas siv nyob hauv txuj ci rau kev ua si (game) thiab hauv kev tsim app, hauv kev saib xyuas kev ruaj rau kev siv khoom hluav taws xob, thiab cov tib neeg hluav. Cov txuj ci yog muaj kev daws teeb meem, sau txuj ci raws li qhov yuav khiav tau, kev tswj cov hauj lwm thiab qhov tseem ceeb ntawm kev ua qhov yog nyob hauv kev siv khoom hluav taws xob.

95626	Kev Kawm Txog Computer (Computer Science) A	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Mus ua ib tus kws paub sau JAVA thiab Android™ app! Kawm kom paub cov tswv yim hauv kev kawm txog computer thiab cov txuj ci thaum koj kawm sau txuj ci JAVA. Los ntawm cov kev kawm uas coob tus tub ntxhais kawm ua ke thiab cov kawm uas koj kawm koj ib leeg, koj yuav tsim, sau, thiab muab cov txuj ci siv computer coj los sim siv kom daws tau ib cov teeb meem los sis ua tiav ib cov hauj lwm.

95637 95638	Kev Kawm Txog Kev Saib Xyuas Kev Ruaj Ntseg Ntawm Kev Siv Khoom Hluav Taws Xob (Cybersecurity) 1 Kev Kawm Txog Kev Saib Xyuas Kev Ruaj Ntseg Ntawm Kev Siv Khoom Hluav Taws Xob (Cybersecurity) 2	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kev Saib Xyuas Kev Ruaj Ntseg Ntawm Kev Siv Khoom Hluav Taws Xob (Cybersecurity) 1 - 95637

Kawm txog txoj kev saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob! Nyob hauv qhov kev kawm ntawm no, koj yuav rhais thawj kauj ruam mus ua ib Tus Kws Saib Xyuas Kev Ruaj Ntseg Ntawm Kev Siv Khoom Hluav Taws Xob Uas Muaj Ntawv Lees Paub Hais Tias Kawm Tiav (Certified Cybersecurity Technician) thiab mus kawm cov tswv yim tseem ceeb cuam tshuam rau cov teeb meem uas muaj niaj hnub no nyob hauv kev saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob thiab kawm kom paub thiab kom paub txo thiab paub tiv thaiv thaum muaj neeg nyiaj nkag mus tsim teeb meem rau kev siv khoom hluav taws xob nyob hauv lub tuam txhab thiab rau tej yam kev khiav hauj lwm uas tseem ceeb. Koj los kuj yuav tau mus kawm teeb thiab kho cov khoom siv, ntu ua kom muaj kev ruaj ntseg (security zones), kev ua kom paub meej hais tias tus neeg siv yeej yog tus neeg ntawd tiag (authentication), thiab cov lus tswj hwm nyob hauv ib qhov txuj ci tiv thaiv hu ua Next-Generations firewall; thiab cov tswv yim cuam tshuam rau kev saib xyuas txoj kev ruaj ntseg nyob hauv kev siv ib cov khoom hluav taws xob.

Kev Saib Xyuas Kev Ruaj Ntseg Ntawm Kev Siv Khoom Hluav Taws Xob (Cybersecurity) 2 - 95638

Mus ua ib tus kws saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob hu ua Palo Alto Networks Certified Cyber Security Technician! Nyob hauv qhov kev kawm ntawm no, koj yuav kawm ntxiv kom koj paub txog kev saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob thiab kawm kom koj paub nrhiav cov pov thawj muaj tseeb, cov ntaub ntawv qhia txog yav tag los, thiab tsim ib cov kev tiv thaiv uas nrhiav tau thiab tiv thaiv cov kev ua phem uas yuav pauv ceev ceev. Cov tub ntxhais kawm ntawv uas lawv kawm tag qhov kev kawm ntawm no yeej mus ua tau ib tus kws saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob uas muaj npe hu ua Palo Alto Networks Certified Cyber Security Technician.



Xav mus ua ib yam hauj lwm nyob rau phab Kev Saib Xyuas Kev Ruaj Ntseg Hauv Kev Siv Khoom Hluav Taws Xob los sis Kev Sau Txuj Ci Siv Computer? Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



Mus kawm kom paub ntxiv thiab mus tso npe kawm nyob ntawm cte.mpls.k12.mn.us

Kev Kawm Txog Computer (Computer Science)

TSIM QAUUV. SAU. NRHIAV SAIB YOG VIM LI CAS ES THIAJ LI TSIS UA HAUJ LWM.



CTE | Qhia Nyob Hauv Online

Tsis muaj kev thaum mus los - cov kev kawm no yog cov uas muaj qhia nyob ntawm koj lub high school nyob rau txhua lub sij hawm.

Tus Lej Rau Kev Tso Npe Mus Kawm

Qhov Kev Kawm Lub Npe

Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej

Qhab Nia (Credits)

Siv Tau Caj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiaj

Siv Tau Rau Kev Kawm Tseem Ceeb Hauv Kev Kawm Txog Computer (Computer Science Essentials) Sib Qhab Nia (Credit)

91009AO	Kev Kawm Txog IT (IT Exploration)	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kawm txog cov hauj lwm nyob rau phab kev kawm txog computer thiab txuj ci siv thiab khaws ntaub ntawv los ntawm kev siv ua piv txwv thiab ib cov kev kawm ntawm tus kheej. Nyob hauv qhov kev kawm ntawm no, koj yuav kawm cov txuj ci cuam tshuam rau cov duab thiab ntaub ntawv siv hauv khoom hluav taws xob, cov khoom siv caj los khiaiv computer, cov txuj ci siv caj los khiaiv computer, cov kev sib txuas lus ntawm cov khoom hluav taws xob, kev sau cov txuj ci siv khoom hluav taws xob, cov txuj ci ceev ntaub ntawv thiab tswv yim, thiab cov technologies tshiab.

95607AO	Kev Kawm Tej Yam Tseem Ceeb Hauv Kev Kawm Txog Computer (Computer Science Essentials)	Tsis yog	1.0 kawm puv ib xyoos	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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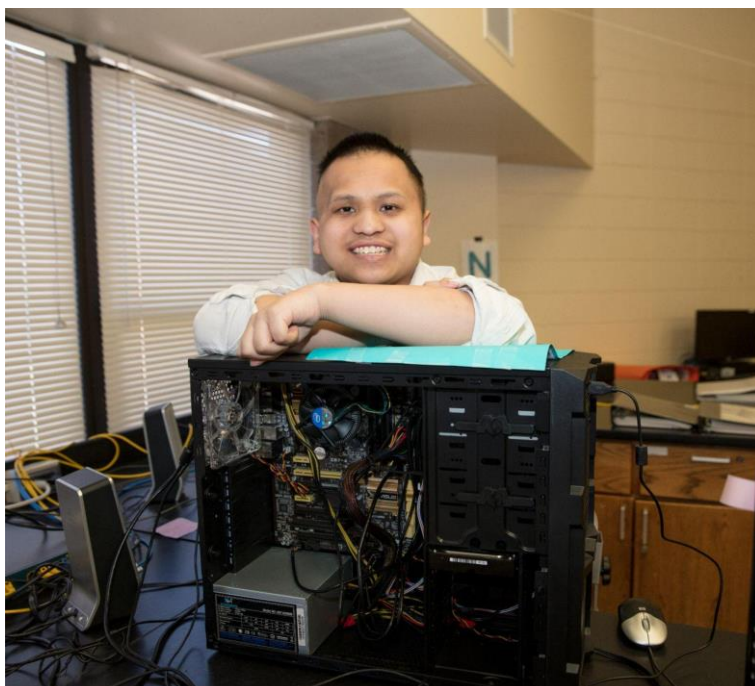
Kawm kom paub hais tias saib kev nrhiav tau tswv yim tshiab nyob hauv kev siv khoom hluav taws xob pab tau thiab rub tau peb lub ntiaj teb zoo li cas. Nyob qhov kev qhia sau txuj ci siv khoom hluav taws xob uas yog qhov pib ntawm no, koj yuav kawm sau cov apps uas siv hauv cov khoom tuav ntawm tes, sau cov txuj ci uas yuav cia lub tshieb khiaiv tau tsis tag muaj neeg tsav, thiab sau cov txuj ci siv cov tsiaj ntawv uas yog siv qhov txuj ci Applinventor, Vex Coding System, Python thiab Cloud9. Qhov kev kawm ntawm no yog ib qhov uas yuav tau kawm puv ib xyoo nyob hauv online rau cov tub ntxhais xaiv mus kawm.

95637AO	Kev Kawm Txog Kev Saib Xyuas Kev Ruaj Ntseg Ntawm Kev Siv Khoom Hluav Taws Xob (Cybersecurity) 1	Tsis yog	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kawm txog txoj kev saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob! Nyob hauv qhov kev kawm ntawm no, koj yuav rhais thawj kauj ruam mus ua ib Tus Kws Saib Xyuas Kev Ruaj Ntseg Ntawm Kev Siv Khoom Hluav Taws Xob Uas Muaj Ntawv Lees Paub Hais Tias Kawm Tiaj (Certified Cybersecurity Technician) thiab mus kawm cov tswv yim tseem ceeb cuam tshuam rau cov teeb meem uas muaj niaj hnub no nyob hauv kev saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob thiab kawm kom paub tso thiab paub tiv thaiv thaum muaj neeg niaj nkag mus tsim teeb meem rau kev siv khoom hluav taws xob nyob hauv lub tuam txhab thiab rau tej yam kev khiaiv hauj lwm uas tseem ceeb. Koj los kuj yuav tau mus kawm teeb thiab kho cov khoom siv, ntu ua kom muaj kev ruaj ntseg (security zones), kev ua kom paub meej hais tias tus neeg siv yeej yog tus neeg ntawd tiag (authentication), thiab cov lus tsuj hwm nyob hauv ib qhov txuj ci tiv thaiv hu ua Next-Generations firewall; thiab cov tswv yim cuam tshuam rau kev saib xyuas txoj kev ruaj ntseg nyob hauv kev siv ib cov khoom hluav taws xob.

95638AO	Kev Kawm Txog Kev Saib Xyuas Kev Ruaj Ntseg Ntawm Kev Siv Khoom Hluav Taws Xob (Cybersecurity) 2	95637	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Mus ua ib tus kws saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob hu ua Palo Alto Networks Certified Cyber Security Technician! Nyob hauv qhov kev kawm ntawm no, koj yuav kawm ntawv kom koj paub txog kev saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob thiab kawm kom koj paub nrhiav cov pov thawj muaj tseeb, cov ntaub ntawv qhia txog yav tag los, thiab tsim ib cov kev tiv thaiv uas nrhiav tau thiab tiv thaiv cov kev ua phem uas yuav pauv ceev ceev. Cov tub ntxhais kawm ntawv uas lawv kawm tag qhov kev kawm ntawm no yeej mus ua tau ib tus kws saib xyuas kev ruaj ntseg ntawm kev siv khoom hluav taws xob uas muaj npe hu ua Palo Alto Networks Certified Cyber Security Technician.



Kev Kawm Txog Kev Siv Duab (Media Arts)

TSIM QAUUV. SIV QAUUV COJ LOS TSM DUAB. SIV DUAB COJ LOS TXUAS LUS.



Nyam siv tswv yim coj los tsim vas sab, npaj cov lus yuav muab tso rau hauv social media, los sis coj los qhia thiab ua kev lom zem rau ib cov tib neeg? Mus kawm cov kev kawm txog kev siv duab ntawm no thiab mus kawm kom koj muaj txuj ci ntxiv los mus txuas lus thiab tsim duab nyob hauv khoom hluav taws xob; tsim suab thiab ua cov yeeb yaj kiab uas yuav muab tso tawm rau neeg saib los sis coj mus tso tawm rau hauv KBEM-Jazz88, koog tsev ntawv tshooj xov tooj cua FM.

CTE | North Tech Center

Muaj tsheb thauj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia (Credits)	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiv	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia (Credit)
92509 92519	Kev Kawm Txog Kev Siv Tswv Yim Coj Los Tsim Duab (Creative Media) 1 Kev Kawm Txog Kev Siv Tswv Yim Coj Los Tsim Duab (Creative Media) 2	Tsis yog	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog

Kev Kawm Txog Kev Siv Tswv Yim Coj Los Tsim Duab (Creative Media) 1 – 92509

Ua kom koj muaj txuj ci siv social media ntau ntxiv! Kawm kom muaj txuj ci tshaj lus tawm nyob hauv ib lub xov tooj cua YEEJ TSO TAWM tiag. Mus ua txoj hauj lwm ua ib tus DJ, ib tus tshaj lus tawm (podcaster), ib tus kws nug tib neeg (interviewer), thiab ib tus kws tshaj tawm kis las nyob ob qhov uas muaj tiag – hauv chav qhia ntawv, hauv lub zej zos, hauv ib lub tuam txhab, thiab tshaj tawm tus kheej nyob hauv social media. Kawm kom paub kho thiab txiav suab, paub sau lus tshaj lag luam thiab kom muaj txuj ci mus nrhiav xov xwm hauv khoom hluav taws xob los ntawm txoj kev mus mloog cov kev tshaj xov xwm rau cov kev tshaj lus ua piv txwv.

Kev Siv Tswv Yim Coj Los Tsim Duab (Creative Media) 2 – 92519

Mus ua ib tus neeg uas muaj feem cuam! Kawm kom muaj cov txuj ci siab thaum koj tsim koj ib cov podcasts, ua DJ, thiab tsim ib tus neeg txawv hais lus hauv xov tooj cua. Kawm los ntawm cov hauj lwm uas npe tes ua (ua piv txwv thiab ua tiag) uas yuav muab siv rau lub xov tooj cua Twin Cities thiab cov hauj lwm nyob rau phab hauj lwm podcast. Ua yus tus kheej, nrog ib cov neeg khiav hauj lwm ua ke thiab khiav hauj lwm zoo ib tus neeg ntawm cov neeg tshaj tawm suab lus nrog koj tus xib hwb qhia ntawv, nrog cov neeg ua hauj lwm ntawm ib lub xov tooj cua thaum koj daws cov teeb meem cuam tshuam rau koj qhov kev tshaj lus tawm thiab cuam tshuam rau ib lub xov tooj cua uas niaj hnub muaj.

92606 92616	Kev Kawm Txog Kev Yeas Cov Duab Siv Hauv Khoom Hluav Taws Xob (Digital Photography) 1 Cov Txuj Ci Siab Rau Kev Yeas Duab & Kev Kho Duab Uas Siv Cov Txuj Ci Nyuaj (Advanced Photo & Editing)	Tsis yog	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Kev Yeas Cov Duab Siv Hauv Khoom Hluav Taws Xob (Digital Photography) – 92606

Nyam yeas duab thiab xav paub txog tej yam tseem ceeb nyob hauv lub neej? Kawm mus yeas cov duab uas qhia txog ib yam dab tsi. Kawm siv lub koob yeas duab, kawm txog cov tswv yim ntawm qhov pom kev nyob hauv lub tsev yeas duab thiab sab nraum zooov, kawm yeas duab, kawm yeas duab nyob ntawm chaw yeas duab thiab nyob hauv lub tsev yeas duab, kawm kho duab nyob hauv lub koob yeas duab, thiab kev muab koj cov duab tso kom muaj seem thiab kev tswj koj cov duab zoo li cov qauv nyob phab hauj lwm no.

Cov Txuj Ci Siab Rau Kev Yeas Duab & Kev Kho Duab Uas Siv Cov Txuj Ci Nyuaj (Advanced Photography & Editing) – 92616

Kawm kom koj muaj txuj ci yeas duab hluav taws xob ntxiv uas yuav muaj kev siv tswv yim coj los kho thiab tsim duab. Kawm los mus kho thiab npaj cov duab uas yuav mus siv luam tau thiab siv tau hauv khoom hluav taws xob coj los siv ua kev tshaj lag luam; suav nrog rau kev siv coj los ua qhov pib ntawm ib zaj dab neeg, ib zaj yeeb yaj kiab, thiab ua cov duab uas pom 3D seem (3D).

92709 92719	Kev Yeas Duab Yeeb Yaj Kiab Uas Siv Khoom Hluav Taws Xob (Digital Video) 1 Kev Yeas Duab Yeeb Yaj Kiab Uas Siv Khoom Hluav Taws Xob (Digital Video) 2	Tsis yog	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Kev Yeas Duab Yeeb Yaj Kiab Uas Siv Khoom Hluav Taws Xob (Digital Video) 1 – 92709

Xav siv yeeb yaj kiab thiab duab mus kev (video) coj los qhia hais tias koj tus kheej xav los sis pom li cas? Kawm txog txhua qhov hauj lwm ntawm kev tsim yeeb yaj kiab, suav nrog rau thaum ua ntej yuav pib mus yeas duab yeeb yaj kiab thiab thaum tom qab yeas duab yeeb yaj kiab tag, nyob rau thaum koj tsim ib zaj yeeb yaj kiab hauv khoom hluav taws xob, tsim cov yeeb yaj kiab ntev, luv, YouTube, cov yeeb yaj kiab uas siv cov duab tsis mus kev coj los ua. Npaj, yeas duab yeeb yaj kiab, thiab kho duab yeeb yaj kiab uas siv cov koob yeas duab siv hauv khoom hluav tawv xob thiab cov txuj ci uas cov kws ua yeeb yaj kiab siv.

Kev Yeas Duab Yeeb Yaj Kiab Uas Siv Khoom Hluav Taws Xob (Digital Video) 2 – 92719

Kawm kom koj muaj txuj ci tsim yeeb yaj kiab thiab muaj txuj ci siv koob yeas duab, txuj ci kaw suab, txuj ci siv teeb coj los ua kom pom kev, txuj ci kho duab, txuj ci tsim duab, thiab kom paub cov kev cai lij choj hais txog kev txwv tsis pub lwm tus neeg siv cov duab. Kawm sau zaj yeeb yaj kiab, npaj cov ntawv qhia hais tias yuav yeas duab li cas, tsim cov neeg nyob hauv zaj yeeb yaj kiab, thiab muab tej yam dab tsi coj los tso ntxiv kom pom zoo li qhov xav kom muaj.

Xav siv cov qauv tsim hauv khoom hluav taws xob coj los qhia hais tias koj tus kheej xav los sis pom li cas?
Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!

Mus kawm kom paub ntxiv thiab mus tso npe kawm nyob ntawm cte.mpls.k12.mn.us



Kev Kawm Txog Kev Siv Duab (Media Arts)

TSIM QAUUV. SIV QAUUV COJ LOS TSIM DUAB. SIV DUAB COJ LOS TXUAS LUS.



CTE | Qhia Nyob Hauv Online

Tsis muaj kev thauj mus los – cov kev kawm no yog cov uas muaj qhia nyob ntawm koj lub high school nyob rau txhua lub sijhawm.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia (Credits)	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiav	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia (Credit)
92406AO	Kev Kawm Siv Adobe Photoshop	Tsis yog	.5	Kev Kawm Txog Kev Kos Duab (Art)	Yog

Xav mus kawm txog kev yees duab ua lag luam los sis kev tsim duab ua qauv? Tsim ib cov qauv siv hauv khoom hluav taws xob uas muaj zoo li cov qauv rau yam lag luam no thiab qhia zoo li koj txoj kev siv tswv yim thaum koj kawm siv cov kev kho duab uas neeg nquag siv thiab cov kev siv Adobe Photoshop. Tsim cov duab uas yog koj li, kawm kho cov duab uas muaj xim, kawm kho duab thiab kawm kom koj paub hais tias koj yuav muab cov txuj ci ntawm no coj mus siv tau zoo li cas nyob hauv ntau yam hauj lwm cuam tshuam rau kev tsim duab coj los ua kev qhia.

92416AO	Kev Kawm Siv Adobe Illustrator	Tsis yog	.5	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Kawm kev tsim duab ua qauv thiab kawm txog qhov tseem ceeb ntawm qhov txuj ci vector drawing uas muab siv coj los ua cov cim ua lag luam (logos), kev tsim suab npe ua lag luam (branding), thiab kev tsim duab ntau yam. Siv Adobe Illustrator coj los tsim ib cov duab, kawm txog kev siv xim, kev kos duab thiab kev npaj duab, kev siv tsiaj ntawv thiab txuj ci saib xyuas duab kom yog cov duab pom zoo.

92509AO	Kev Kawm Txog Kev Siv Tswv Yim Coj Los Tsim Duab (Creative Media) 1	Tsis yog	.5	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Ua kom koj muaj txuj ci siv social media ntau ntxiv! Kawm kom muaj txuj ci tshaj lus tawm nyob hauv ib lub xov tooj cua YEEJ TSO TAWM tiag. Mus ua txoj hauj lwm ua ib tus DJ, ib tus tshaj lus tawm (podcaster), ib tus kws nug tib neeg (interviewer), thiab ib tus kws tshaj tawm kis las nyob ob qhov uas muaj tiag – hauv chav qhia ntawv, hauv lub zej zos, hauv ib lub tuam txhab, thiab tshaj tawm tus kheej nyob hauv social media. Kawm kom paub kho thiab txiav suab, paub sau lus tshaj lag luam thiab kom muaj txuj ci mus nrhiav xov xwm hauv khoom hluav taws xob los ntawm txoj kev mus mloog cov kev tshaj xov xwm rau cov kev tshaj lus ua piv txwv.

92519AO	Kev Kawm Txog Kev Siv Tswv Yim Coj Los Tsim Duab (Creative Media) 2	92509	.5	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Mus ua ib tus neeg uas muaj feem cuam! Kawm kom muaj cov txuj ci siab thaum koj tsim koj ib cov podcasts, ua DJ, thiab tsim ib tus neeg txawv hais lus hauv xov tooj cua. Kawm los ntawm cov hauj lwm uas nqe tes ua (ua piv txwv thiab ua tiag) uas yuav muab siv rau lub xov tooj cua Twin Cities thiab cov hauj lwm nyob rau phab hauj lwm podcast. Ua yus tus kheej, nrog ib cov neeg khiav hauj lwm ua ke thiab khiav hauj lwm zoo ib tus neeg ntawm cov neeg tshaj tawm suab lus nrog koj tus xib hwb qhia ntawv, nrog cov neeg ua hauj lwm ntawm ib lub xov tooj cua thaum koj daws cov teeb meem cuam tshuam rau koj qhov kev tshaj lus tawm thiab cuam tshuam rau ib lub xov tooj cua uas niaj hnub muaj.

92916AO	Kev Sau thiab Luam Phau Ntawv Hauv Lub Xyoo (Yearbook Publishing)	Tsis yog	.5	Kev Kawm Txog Kev Kos Duab (Art)	Tsis yog
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Kev mus kawm txog txoj kev tsim duab ua quav uas muaj tam sim no thiab kev siv khoom hluav taws xob coj los npaj duab thiab ntau ntawv. Pab ua phau ntawv yearbook rau koj lub high school thaum koj tab tom kawm cov txuj ci cuam tshuam rau kev npaj cov phau ntawv, kev siv duab siv hauv khoom hluav taws xob, kev siv tej hom ntawm cov tsiaj ntawv, kev yees duab zoo li ib txwm muaj thiab kev yees duab siv khoom hluav taws xob, kev saib xyuas kev tsim phau ntawv, thiab kev sau xov xwm.



Kev Txog Kev Tsim Qauv (Engineering)

TSIM QAUV. UA. NRHIAV TSWV YIM TSHIAB.



Xav paub hais tias saib tsim qauv li cas thiab saib siv qauv li cas koj uas ua tej khoom? Koj lub neej yav tom ntej nyob hauv kev tsim qauv thiab txuj ci technology yog pib ntawm no! Mus saib cov kws tsim qauv siv lej thiab txuj ci koj los daws cov teeb meem uas muaj tiag zoo li “ib tus neeg nyob sab hauv.” Mus kawm ib los sis ob qhov kev kawm nyob ntawm Tech Center thiab mus kawm txog kev tsim qauv ua khoom, kev tsim qauv rau khoom hluav taws xob, kev tsim qauv rau kev tsim ub tsim no los sis kev tsim qauv rau kev ua zej zos.

CTE | North Tech Center

Muaj tsheb thauj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia (Credits)	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiaiv	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Siab Qhab Nia (Credit)
95406	Qhov Kev Kawm Uas Yog Qhov Pib Rau Kev Tsim Qauv (Introduction to Engineering Design)	Tsis yog	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog

Koj puas nyiam daws teeb meem? Nyob hauv qhov kev kawm ntawm no, koj yuav kawm txog cov khoom tsim qauv suav nrog rau cov tshuab luam cov duab pom 3 seem (3D) thiab cov yees duab (scanners), cov tshuab kos khoom uas siv teeb laser, thiab ntau yam khoom siv nyob hauv lub chaw qhia los ntawm cov dej num uas tus tub ntxhais kawm ua nws ib leej thiab cov dej num uas tus tub ntxhais kawm ua nrog ib cov tub ntxhais kawm ua ua ke. Peb yuav muab kev tsim qauv 3D, kev tsim ib yam khoom, thiab kev txheeb xyuas ib cov khoom uas siv tswv yim tshiab ua koj los ua qhov tseem ceeb.

95416	Kev Kawm Txog Cov Tswv Yim Tseem Ceeb Ntawm Kev Tsim Qauv (Principles of Engineering)	Tsis yog	1.0	Kev Kawm Txog Duab & Lub Cev Ntawm Tej Khoom (Art & Physics)	Yog
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Kawm kom paub txog kev tsim qauv ua khoom! Los ntawm cov dej num nqes tes ua, kawm kom muaj txuj ci ntiv thiab kom nkag siab txog kev tsim qauv thiab kev siv txuj ci technology tsim qauv, uas qhov tseem ceeb yog kawm txog cov kev khiav kev tsim qauv thiab cov kev ua khoom uas siv cov txuj ci technology uas muaj niaj hnub no. Cov tub ntxhais kawm ntawv yuav mus ua txoj hauj lwj ua cov kws tsim qauv thiab cov neeg pab kws tsim qauv thaum lawv siv cov lej, cov kev kawm, thiab cov txuj ci technology uas lawv muaj koj los daws teeb meem. Cov kev sib tham yuav muaj kawm txog cov txiaj ntsim zoo uas ntxim yuav muaj rau pej xeeb thiab rau kev tswj hwm teb chaws thiab cov teeb meem ntawm kev muaj txuj ci technology pauv.

95426	Kev Kawm Txog Khoom Hluav Taws Xob (Digital Electronics)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Cov khoom khiav khoom hluav taws xob uas muab siv tau rau ntau ntau yam (smart circuits) yeej yog ib cov ua muaj nyob rau txhua phab hauv peb lub neej (piv txwv, computers, khoom kho mob, thiab khoom hluav taws xob)! Kawm thiab ua kom muaj txuj ci tsim cov khoom khiav khoom hluav taws xob; kom paub siv cov khoom khiav khoom hluav taws xob uas muaj npe hu ua electronic logic circuits thiab cov khoom siv thiab kom paub siv qhov txuj ci hu ua Boolean logic thaum koj tab tom kawm kom koj nkag siab txog cov khoom khiav khoom hluav taws xob yooj yim thiab cov tswv yim hais txog hluav taws xob los ntawm kev sib pab khiav hauj lwj ua ke, cov kev txuas lus, cov qauv rau kev tsim qauv thiab cov ntau ntawv qhia txog qhov txuj ci los sis qhov khoom.

95506	Kev Kawm Txog Kev Tsim Qauv Ua Zej Zos & Kev Tsim Qauv Ua Vaj Ua Tse (Civil Engineering & Architecture)	Tsis yog	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Puas tau xav txog hais tias saib yuav ua li cas es thiaj li yuav tsim thiab ua tau lub nroog uas koj nyob tam sim no? Nyob hauv qhov kev kawm ntawm no, koj yuav mus tuav txoj hauj lwj ua tus kws tsim qauv ua vaj tse thiab tsim qauv kho zej zos thaum koj kawm txog cov tsev uas npaj rau pej xeeb nyob thiab cov tsev uas npaj rau kev ua lag luam, kev tsim qauv rau lub chaw thiab kev ua, thiab cov kev khiav hauj lwj rau kev tsim qauv; kawm kev xam lej hauv kev tsim qauv, kev siv txuj ci koj los qhia, kev tsim ntau ntawv koj los qhia, thiab cov qauv ua vaj tse uas yog 3D.

95516	Kev Kawm Txog Kev Siv Computer Coj Los Tswj Kev Ua Khoom (Computer Integrated Manufacturing)	Tsis yog	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Kawm kom paub hais tias cov kev tsim qauv thiab kev muab cov qauv siv koj mus ua yam khoom muaj kev cuam tshuam zoo li cas los sis kom paub daws cov teeb meem ntawm txoj kev tsim qauv. Kawm txog kev siv computer coj los tsim qauv, cov tshuab Computer Numeric Control (CNC), cov txuj ci siv computer coj los ua khoom uas muaj npe hu ua Computer Aided Manufacturing (CAM) software, kev siv tib neeg hluav taws xob ua khoom, thiab cov kev ua khoom uas yuav muab pauv tau yooj yim.

95906	Kev Kawm Txog Kev Tsim Qauv & Kev Tsim Khom (Engineering Design & Development)	muaj txawv	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Siv cov txuj ci uas koj muaj hauv kev tsim qauv thiab kev pib lag luam nyob hauv qhov kev kawm ntawm no. Tsim ib yam khoom uas lwj tus neeg los sis lwj lub tuam txhab yuav nyiaj tsis tau koj mus ua muag - lub tswv yim thaum pib mus rau thaum tsim qhov khoom ua qauv thiab thaum muab qhov khoom ua qauv koj mus qhia rau yam lag luam ntawd los sis cov kws ua khoom.

Xav mus kawm ib cov kev kawm hais txog Kev Tsim Qauv?

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



Mus kawm kom paub ntxiv thiab mus tso npe kawm nyob ntawm cte.mpls.k12.mn.us

Kev Kawm Txog Txuj Ci Siv Tib Neeg Hlau & Dav Hlau Tsis Muaj Neeg Tsav (Robotics & Drone Technology)

TSIM QAUUV. UA. SAU TXUJ CI. YA.



Daws cov teeb meem siv tib neeg hlau & txuj ci technology ya dav hlau tsis muaj neeg tsav koj los tsim qauv ua khoom! Kawm txog cov qauv tsim khoom yooj yim, kev sau txuj ci tsim khoom, kev sau txuj ci raws li qhov yuav khiav tau thiab kawm kom paub hais tias yuav ua li cas es thiaj li yuav mus ua tau ib tus kws ya dav hlau tsis muaj neeg tsav uas muaj ntawv lees paub.

CTE | North Tech Center

Muaj tsheb thauj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe
Mus Kawm

Qhov Kev Kawm Lub Npe

Cov Kev Kawm Uas
Yuav Tsum Tau
Kawm Ua Ntej

Qhab Nia
(Credits)

Siv Tau Coj Los Ua Ib
Qhov Kev Kawm Rau
Kev Kawm Tlax

Siv Tau Rau Kev
Kawm Tsev Kawm
Ntawv Qib Siab
Qhab Nia (Credit)

91639 91640	Kev Kawm Txog Tib Neeg Hlau (Robotics) Kev Kawm Txog Txuj Ci Siv Dav Hlau Tsis Muaj Neeg Tsav (Drone Technology)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kev Kawm Txog Tib Neeg Hlau (Robotics) - 91639

Kawm kom paub hais tias saib neeg hlau daws tau cov teeb meem uas muaj tiag zoo li cas. Kawm txog kev siv khoom hluav taws xob koj los khiav hauj lwm, kev siv, thiab kev sau txuj ci koj los siv zoo li qhov yuav khiav tau. Kawm daws teeb meem, kawm sib pab khiav hauj lwm, thiab kawm kom muaj txuj ci saib xyuas ib yam dej num.

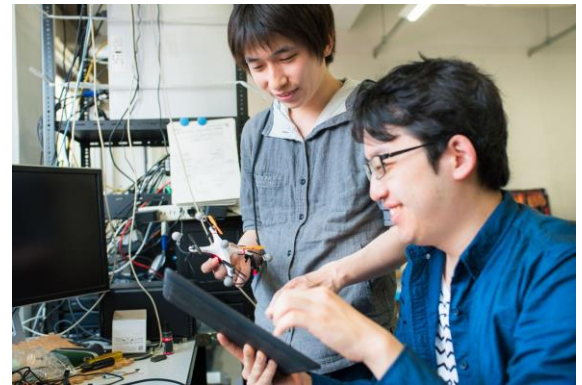
Kev Kawm Txog Txuj Ci Siv Dav Hlau Tsis Muaj Neeg Tsav (Drone Technology) - 91640

Mus ua tus kws ya cov dav hlau uas ya tsis muaj neeg tsav rau kev ua lag luam! Coj koj tus kheej mus rau hauv Tsoom Fwv Lub Chaw Khiav Hauj Lwm Saib Xyuas Kev Ya Dav Hlau (Federal Aviation Administration (FAA)) ntau yam txuj ci - kev ya dav hlau ntsuas huab cua, kev tswj cov neeg ya dav hlau, kev khiav hauj lwm ntawm tshav dav hlau. Cov tub ntxhais kawm ntawv kuj yuav tau kawm sau txuj ci ya dav hlau, kev yees duab/duab yeeb yaj kiab, thiab kev sib raug zoo nrog qhua lag luam nyob hauv kev ya cov dav hlau uas tsis muaj neeg tsa rau kev ua lag luam



Kawm kom koj muaj txuj ci ntxiv hais txog tib neeg hlau thiab cov dav hlau tsis muaj neeg tsav yog ib cov uas yuav muab koj mus siv tau rau ntawm ntau ntau lub chaw khiav hauj lwm thiab ntau ntau yam hauj lwm.

Mus xyuas cov kev kawm txog kev tsim qauv nyob rau ntawm phab ntawv 16, thiab cov kev kawm txog kev siv duab nyob rau ntawm phab ntawv 14 thiab 15.



Xav mus kawm ib qhov kev kawm txog Tib Neeg Hlau (Robotics)?

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



Kev Kawm Kho Tsheb (Automotive)

KUAJ SAIB YOG MUAJ DAB TSI PUAS. NRHIAV SAIB YOG VIM LI CAS ES THIAJ LI TSIS UA HAUJ LWM. KHO.



Xav kom muaj txuj ci thiab muaj kev nqes tes ua hauj lwm nyob hauv chaw kho tsheb? Kawm pauv cov khoom hauv tsheb thiab kho ntau yam tsheb thiab cov khoom siv ua kis las thiab txiav txim saib ib yam haum lwm nyob rau phab hauj lwm no puas yuav yog ib txoj zoo rau koj.

CTE | Roosevelt Tech Center Tech Center.

Muaj tsheb thauj mus los dawb rau ntawm lub chaw

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia (Credits)	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiaj	Siv Tau Rau Kev Kawm Tsev Kawm Ntawv Qib Saib Qhab Nia (Credit)
97101 97111	Kev Kawm Kho Tsheb Uas Yog Kho Tej Yam Yooj Yim (Basic Auto) Kev Kawm Kho Tsheb Uas Yog Kho Tej Kho Yam Nyuaj (Advanced Auto)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog

Kev Kawm Kho Tsheb Uas Yog Kho Tej Yam Yooj Yim (Basic Auto) – 97101

Kawm kho thiab pauv tej yam yooj yim ntawm tsheb. Los ntawm cov dej num nqes tes ua thiab cov kev qhia, yuav paub siv cov kev pauv khoom hauv tsheb uas yog cov siv tau yog, paub siv lub chaw kho tsheb kom muaj kev nyab xeeb, paub siv phau ntawv kho tsheb thiab cov khoom kho tsheb, paub siv cov tshuab nyob hauv lub chaw kho tsheb, thiab paub kho tej yam niaj hnub kho zoo li kuaj cov log, kuaj cov dej, pauv thiab kho log tsheb, thiab muab cov dej num kho tsheb sau khaw tseg rau hauv ib phau ntawv.

Kev Kawm Kho Tsheb Uas Yog Kho Yam Nyuaj (Advanced Auto) – 97111

Cov kev tu thiab kho tsheb uas yog cov tu los sis kho nyuaj. Qhov kev kawm ntawm no yuav qhia ib cov txuj ci ntxiv rau cov uas tau kawm nyob hauv qhov kev kawm Basic Auto 1. Cov dej num nqes tes ua thiab cov kev qhia yuav qhia kom nkag siab hais tias saib lub tshuab hauv lub tsheb, tus cheem (brake), cov khoom hluav taws xob, lub kauj tsav tsheb, tus pa dhos log tsheb, thiab qhov uas cov log khiav tau ncag ua hauj lwm zoo li cas. Cov tub ntxhais kawm ntawv yuav kawm tag qhov kev kawm ntawm no yog thaum twg lawv qhia tau thiab kho tau tej yam yooj yim nyob ntawm ib lub tsheb.

96701 96702	Kev Kawm Kho Cov Tshuab Me (Small Engines) Cov Tshuab Ua Kis Las (Powersports) & Khoom Siv (Equipment)	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Kev Kawm Kho Cov Tshuab Me (Small Engines) – 96701

Ua kom paub hais tias saib cov tshuab ua hauj lwm li cas. Kawm txog cov khoom nyob hauv lub tshuab, kawm kom paub hais tias lub tshuab khiav li cas thiab kom paub kho cov tshuab uas muaj 2 thiab 4 xuj (2- and 4-stroke engines) los ntawm cov dej num nqes tes ua thiab cov ntau ntawv uas muaj rau kawm nyob hauv chaw chav qhia ntawv. Kawm kom paub hais tias cov tshuab hauv lub tsheb khiav li cas thiab sib dhos li cas, siv roj li cas, thiab kom paub muab cov tshuab me uas siv roj hle thiab paub muab dhos rov qab.

Cov Tshuab Ua Kis Las (Powersports) & Khoom Siv (Equipment) – 96702

Muab koj cov txuj ci ntawm cov tshuab me coj mus siv rau phab hauj lwm ntawm cov tshuab ua kis las. Kawm nrhiav thiab kho cov tsheb kauj vab me mus rau cov tsheb khiav kev av (UTV) thiab txhua yam tshuab. Qhov kev kawm ntawm no yuav qhia txog lub tshuab hauv tsheb, cov khoom ua kom lub tsheb khiav tau (drivetrain), cov khoom hluav taws xob, tus cheem (brake), thiab cov kav roj nrog rau cov kev kho los sis pauv cov khoom nyob hauv tsheb.

97404	Kev Kawm Kho Tsheb Sib Tsoo (ASE Collision Repair) 1	Tsis yog	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Rhais thawj kauj ruam mus ua Kws Kho Tsheb Sib Tsoo thiab Kws Kho Tsheb uas tau ntawv lees paub los ntawm ASE. Nyob hauv qhov kev kawm ntawm no, koj yuav kawm ntau yam txuj ci kho tsheb lub cev: kho phab thiab hloov phab tav, muab tshem tawm, muab daim tshiab coj los hloov, thiab kho sab nraum thiab saib hauv kom nyob ncag, rhiav cov hlau thiab cov khoom lo lub cev, cam thiab txiav hlau, kho cov khoom uas yog yas thiab muab lo ua ke.

97414	Kev Kawm Kho Tsheb Sib Tsoo (ASE Collision Repair) 2	97404	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Kev kho tsheb thaum sib tsoo uas yog cov kho nyuaj Qhov kev kawm ntawm no yuav qhia ib cov txuj ci ntxiv rau cov uas tau kawm nyob hauv qhov kev kawm ASE Collision Repair 1. Cov dej num nqes tes ua thiab cov kev qhia yuav qhia kom nkag siab txoj kev npaj lub cev, kev siv lub tshuab tsuag xim thiab cov khoom siv cuam tshuam rau qhov no, kom paub thaum muaj xim puas, kom paub muab xim sib tov, paub tov kom tau zoo li cov xim nyob ntawm lub tsheb thiab kom paub tsuag xim. Peb yuav muab txoj kev nyab xeeb rau tus kheej thiab huab cua txhua yam ib puag ncig coj los ua qhov tseem ceeb.



Xav mus xyaum ib txoj hauj lwm kho tsheb, xyaum kom paub kho tsheb uas tsis tau nyiaj zoo li ua hauj lwm? Qhov kev qhia kho tsheb yuav cia ob peb tus tub ntxhais kawm ntawv mus xyaum hauj lwm txhua xyoo los mus ua cov hauj lwm uas lawv ua lawv tus kheej, los mus qhia cov tub ntxhais kawm ntawv, thia los mus kawm kom paub tswj ntawm yam hauj lwm cuam tshuam rau koj khiav ib lub chaw kho tsheb. Nrog koj tus xib hwb qhia ntawv tham yog koj xav mus kawm qhov kev kawm ntawm no.

Nyam kho tsheb – cov tshuab khiav tsheb thiab lub cev?

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!

Mus kawm kom paub ntxiv thiab mus tso npe kawm nyob ntawm cte.mpls.k12.mn.us



Kev Kawm Txog Kev Tsim Tsa & Kev Cam/Txuas Hlau (Construction & Welding)

TSIM QAUUV. UA. SIV QAUUV COJ LOS TSM



Ua kom neeg pom koj txoj kev paub kho los sis paub siv khoom thiab paub ua kom tej khoom zoo nkauj nyob hauv peb cov hauj lwm kho ub kho no thiab nyob hauv cov chaw ua khoom ub khoom no! Kawm kom koj paub hais tias saib ib yam hauj lwm nyob hauv kev tsim tsa los sis kev cam hlau puas yuav yog ib yam hauj lwm koj nyiam ua - kawm cov txuj ci uas koj yuav siv mus tag koj lub neej.

CTE | Roosevelt Tech Center

Muaj tsheb thauj mus los dawb rau ntawm lub chaw Tech Center.

Tus Lej Rau Kev Tso Npe Mus Kawm	Qhov Kev Kawm Lub Npe	Cov Kev Kawm Uas Yuav Tsum Tau Kawm Ua Ntej	Qhab Nia (Credits)	Siv Tau Coj Los Ua Ib Qhov Kev Kawm Rau Kev Kawm Tiav	Siv Tau Rau Kev Kawm Tsev Kwm Ntawv Qib Siab Qhab Nia (Credit)
96212 96222	Kev Kawm Txog Kev Tsim Tsa (Construction Trades) 1 Kev Kawm Txog Kev Tsim Tsa (Construction Trades) 2	Tsis yog	1.0	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog

Kev Kawm Txog Kev Tsim Tsa (Construction Trades) 1 - 96212

Xav mus ua ib yam hauj lwm hauv kev tsim tsa los sis xav mus kawm kom paub kho tej khoom nyob hauv tsev? Nyob hauv qhov kev kawm ntawm no, koj yuav kawm kom koj paub siv ntawd thiab hlau coj los ua ub ua no, kom koj paub kho hluav taws xob, thiab kho kav dej uas yog tej yam yooj yim nrog rau kev paub siv cov tshuab uas siv tes los sis siv hluav tawv xob coj los ua cov dej num ntawd.

Kev Kawm Txog Kev Tsim Tsa (Construction Trades) 2 - 96222

Kawm kom koj muaj txuj ci rau kev tsim tsa ntau ntawd kev mus kawm ua ib yam dab tsi ib leeg thiab kev mus kawm ua ib yam dab tsi nrog ib cov neeg nyob hauv kev siv ntawd coj los ua ub ua no, kev cab xov hluav taws xob, kev kho kav dej, kev tsa phab ntsa, kev dhos qhov rooj thiab qhov rais, puab xim mam thiab ntau yam ntawd.

96526 96536	Kev Kawm Cam/Txuas Hlau (Welding) 1 Kev Kawm Cam/Txuas Hlau (Welding) 2	Tsis yog	1.0	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Kev Kawm Cam/Txuas Hlau (Welding) 1 - 96526

Xav mus ua ib tus kws cam/txuas hlau? Kawm siv kev cam hlau nyob ntawm cov chaw ua khoom zoo nkauj thiab cov chaw ua khoom siv. Kawm cov txuj ci cuam tshuam rau kev nyab xeeb, kev teeb cov tshuab, kev xa hlau, daim thaiv ntsej muag thiab thiab kev cam ntau yam hlau. Qhov kev kawm ntawm no yuav qhia txog qhov kev cam hlau hu ua oxyacetylene thiab gas tungsten arc welding.

Kev Kawm Cam/Txuas Hlau (Welding) 2 - 96536

Qhov kev kawm ntawm no yuav qhia ib cov txuj ci ntawd rau cov txuj ci uas qhia nyob hauv qhov kev qhia Welding 1 thiab yuav qhia txog cov hauj lwm thiab cov txuj ci uas yuav tsum muaj es thiab li yuav mus ua tau hauj lwm nyob rau phab kev tsim tsa. Kawm cov txuj ci nyob hauv shielded metal arc welding thiab gas metal arc welding los ntawm cov dej num ua piv txwv thiab cov dej num nqes tes ua, nrog rau kev mus ncig saib cov chaw ua hauj lwm thiab cov tsev xyaum mus ua cov hauj lwm kho ub kho no.



Kawm tiav theem 1 thiab 2 thiab xav mus kawm kom muaj txuj ci siv khoom ntawd nyob hauv ib qhov kev mus xyaum hauj lwm uas tsis tau nyiaj ua hauj lwm? Qhov kev qhia kev tsim tsa thiab kev cam/txuas hlau yuav cia ob peb tus tub ntxhais kawm ntawv mus xyaum hauj lwm txhua xyoo los mus ua cov hauj lwm uas lawv ua lawv tus kheej, los mus qhia cov tub ntxhais kawm ntawv, thiab los mus kawm kom paub tswj cov hauj lwm cuam tshuam rau kev khiav ib lub chaw rau tsim tsa los sis cam/txuas hlau. Nrog koj tus xib hwq qhia ntawv tham yog koj xav mus kawm qhov kev kawm ntawm no.



Xav mus kawm txog Kev Tsim Tsa Chaw Ua Lag Luam los sis Hauj Lwm thiab Kev cam/Txuas Hlau?

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!

Mus kawm kom paub ntawd thiab mus tso npe kawm nyob ntawm cte.mpls.k12.mn.us



Kev Kawm Txog Txuj Ci Siv Tshuab (Machine Technology)

NPAJ. NTSUAS. TSIM



Xav mus kawm txog cov hauj lwm nyob rau phab kev ua khoom thiab kev khiav tshuab ua khoom? Kev ua khoom niaj hnub no yeej yog hais txog kev siv cov txuj ci technologies uas ua tau ntau yam hauj lwm, cov tsev ua khoom uas muaj khoom siv zoo, thiab khiav hauj lwm ceev. Kawm cov txuj ci rau cov hauj lwm ua khoom uas muaj hauj lwm qhib ntau: Cov kws sau txuj ci siv tshuab CNC, cov kws khiav cov tshuab uas muaj computer tswj, thiab cov kws tsim thiab txheeb xyuas tshuab.

CTE | South High School

Tsis muaj tsheb thauj mus los nyob hauv xyoo kawm ntawv 2024-2025.

Tus Lej Rau Kev Tso Npe
Mus Kawm

Qhov Kev Kawm Lub Npe

Cov Kev Kawm Uas
Yuav Tsum Tau Kawm
Ua Ntej

Qhab Nia
(Credits)

Siv Tau Coj Los Ua Ib
Qhov Kev Kawm Rau
Kev Kawm Tiaj

Siv Tau Rau
Kev Kawm
Tsev Kawm
Ntawv Qib Siab
Qhab Nia
(Credit)

96301	Kev Kawm Txog Txuj Ci Siv Tshuab (Machine Technology) 1	Tsis yog	.5	Kev Kawm Txog Kev Kos Duab (Art)	Yog
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Ua kom koj muaj lus txawj ntse thiab txuj ci siv cov tshuab siv tes tuav, cov tshuab txiav khoom, cov tshuab kho khoom, cov tshuab tshau khoom, cov tshuab kaw khoom, thiab cov tshuab rhiav khoom uas neeg nguag siv. Nyob hauv qhov kev kawm ntawm no, cov tub ntxhais kawm ntawv yuav muaj kev tau mus nqes tes ua cov dej num uas yog cov tseem ceeb thiab cov tswv yim uas yuav siv nyob rau phab hauj lwm ua khoom.

96302	Kev Kawm Txog Txuj Ci Siv Tshuab (Machine Technology) 2	96301	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Qhov kev kawm ntawm no yuav qhia ib cov txuj ci ntxiv rau cov txuj ci uas qhia nyob huav qhov kev kawm Machine Technology 1 uas yuav muab qhov ua tau yam khoom zoo coj los ua qhov tseem ceeb. Cov tub ntxhais kawm ntawv yuav tau tawm suab ntau nyob rau thaum npaj qhov hauj lwm thiab yuav tau khiav hauj lwm thaum kho thiab saib xyuas lub chaw siv tshuab.

96303	Kev Kawm Txog Txuj Ci Siv Tshuab (Machine Technology) 3	96302	.5	Yog Ib Qhov Kev Kawm Uas Cov Tub Ntxhais Yuav Xaiv Tau (Elective)	Yog
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Qhov kev kawm ntawm no yeej yog ib qhov uas yuav npaj kom cov tub ntxhais kawm ntawv uas lawv xav mus kawm paub ho siv tshuab, kawm ua khoom, kev tsim thiab kev tshawb txog tshuab los sis cov hauj lwm tsim qauv. Cov dej num uas yuav muab siv coj los ua kev kawm yeej nyob ntawm saib tus tub ntxhais nyiam ua dab tsi, paub ua dab tsi, thiab muaj peev xwm ua dab tsi xwb. Ua kom muaj kev paub khiav hauj lwm hauv chaw siv tshuab coj los ua khoom nyob hauv kev siv ntau yam tshuab, tau txoj kev siv, thiab ntau txoj kev khiav hauj lwm rau thaum lawv yuav mus siv cov khoom siv hauv chaw siv tshuab coj los ua khoom.

Kawm tiaj theem 1 thiab 2 thiab xav muaj kawm kom muaj txuj ci siv khoom ntxiv uas yog ib qhov kev mus xyaum hauj lwm uas tsis tau nyiaj ua hauj lwm?

Qhov kev qhia txuj ci siv tshuab (machine technology) yuav cia ob peb tus tub ntxhais kawm ntawv mus xyaum hauj lwm txhua xyoo los mus ua cov hauj lwm uas lawv ua lawv tus kheej, los mus qhia cov tub ntxhais kawm ntawv, thiab los mus kawm kom paub tswj cov hauj lwm cuam tshuam rau kev khiav ib lub chaw rau kev tsim tsa los sis kev cam/txuas hlau. Nrog koj tus xib hwb qhia ntawv tham yog koj xav mus kawm qhov kev kawm ntawm no.



**Xav ua ib yam hauj lwm yav tom ntej nyob rau phab kev kho ub
kho no thiab kev ua khoom ub khoom no?**

Nias ntawm no los mus qhia rau koj tus kws pab tswv yim tom tsev kawm ntawv paub!



CAREER & TECHNICAL EDUCATION

Yog xav paub ntau tshaj qhov no ntxiv hais txog
CTE nyob hauv Minneapolis Public Schools, mus
xyuas hauv peb lub vas sab.

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KAWM HNUB NO!**



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