

Tastıyqlayman
ISHTBDO *Amif*
“ 14 ”-“ 8 ” 2024 - jıl

Tema: Eğewlew

Nº	Topar	Saat	Sa'ne
1	2-24	6	14.8.2024 jıl

1.1. Oqıw a'meliy shinig'iwının` texnologiyası modeli

Waqti 6 saat	Oqıwshılar sani
Oqıw shinig'iwının` turi	A'meliy oqıtw
Oqıw a'meliy shinig'iwının` dúzilisi	1.1 Kirisiw.
	2. Jumis ornın sho'lkemlestiriw
	3. Oqıw ustaxanasında qa'wıpsızlık qag'iydalari
	4. Bahalardı esittiriw
Oqıw a'meliyati shinig'iwının` maqseti: O'tiletin tema boyınsha bilim ha'm ko'nlikpelerin rawajlandırıw ha'm bekkemlew	
Pedagogikalıq wazıypalari:	Oqıw protsesinın` natıyjesi:
- Kirisiw - Temanı tu'sındırıw - Oqıw ustaxanasında qa'wıpsızlık qag'iydalari tusındırıw - Shinig'iwđın` orınlanıw izbe-izlıgın u'yretiw	- Kirisiw - Temanı bilip aladı - Oqıw ustaxanasında qa'wıpsızlık qag'iydalarına a'mel etiwđi u'yrenedi. - Shinig'iwđın` orınlanıw izbe-izlıgın u'yrenedi
Oqıtw usıllari	A'meliy is, shinig'iw
Oqıtw qurallari	Jol-joba texnologiyalıq karta. Korgızbe qural, maket.
Oqıw barisinın` turi	Jeke, toparlıq
Oqıtw sharayati	Arnawlı uskenelengen ustaxana
Qaytar baylanis usili	Awızsha; soraw-juwap

1.2. Oqiw a'meliy shinig'iwini' texnologik kartasi

Jumis basqishlari ham waqti	Is juritiw	
	Talim beriwshi	Talim aliwshi
I-basqish Kirisiw (15 minut)	Sholkemlestiriw bolimi 1. Oqiwshilardin' qatnasin tekseriw . 2. Oqiwshilardin' sabaqqa tayar ekenligin tekseriw, - Maqset ham waziypalardin' belgileniwi 3. A'meliyattin', temasi, rejesi, maqseti, ham ku'tiletug'in natijeler menen tanistiradi. (1-qosimsha) '. 4 Oqiwshilardi bahalaw kreteriyasi menen tanistiriw 5 Texnika qawipsizligi qadelerine amel qiliwdi esletedi	Ameliyatqa tayarliq ko'redi Ameliy sabaq qawipsizlik texnikasi, saniytariya ha'm gigenaliq talaplarga a'mel qilg'an halda amawli kiyimde keledi. texnika qawipsizligi jurnalina qol qoyadi Tin'laydi
II-basqish Tiykarg'i bolim (210 minut)	Kirisiw instruktaj (60 minut). Oqiwshilar bilimin ku'sheytiw: 1. Tez soraw-juwap, aqiliy hujum arqali bilimlerin aktivlestiredi. - Taza oqiw materiali bayani: 2. Oqiw a'meliyati temasi boyinsha uliwma mag'liwmat beredi, jumis processin tu'sintiredi; Gezektegi instruktaj (130 minut). Taza oqiw materiali boyinsha a'meliy shinig'iw orinlaw. 3. Bilim aliwshilardi jumis orinlarina bo'listirip a'meliy jumis ju'zesinen jol-joba texnologiyaliq karta ha'mde o'z betinshe jumis orinlaw ushin xom ashyo tarqatadi ha'm ko'rsetpeler beredi. 4. O'z betinshe jumislardi orinlaniwin maqsetli aylanaw waqtinda qadag'alaydi ha'm jumis processinde oqiwshilar ta'repinen qoyilg'an qa'telerdi ko'rsetedi. - Juwmaqlawshi instruktaj (20 minut): 5. Shinig'iw tawsilg'annan son' jumis orinlarin talap da'rejesine keltiriledi. Tayarlang'an o'nimdi qabil qiladi.	Sorawlar g'a juwap beredi. Tin'laydi, jazip aladi. Bilim aliwshinin' o'z jumis orinlarina turadilar, shinig'iw basshisi ko'rsetpeleri ha'm jol-joba texnologiyaliq kartaga a'mel qilg'an halda orinlaydilar. Qa'teliklerdi tuwirlaydilar. Paydalanilg'an u'skenelerdi shinig'iw basshisina tapsiradilar. Jumis orin tazalaydilar.
II-basqish Juwmaqlawshi bo'lim (15 minut)	Juwmaqlaw: 1. Oqiwshilardi a'meliy shinig'iw boyinsha bahalarin aytadi; 2. Keyingi ka'siplik jumislarin a'meliyatta orinlag'an jumislarinin' a'hmiyeti ha'm za'ru'rligine oqiwshilar itibarin qaratadi. 3. Keyingi shinig'iw temasi mene tanistirip u'yge tapsirma beredi.	Tin'laydilar. Tapsirmalardi jazip aladi.

Oqiw öndürlük usta Adan J. Aytimbetova

6-Tema

Egewlew

6.1. Oqiw -a'meliy shinig'wlaridin' texnologiyasinin' modeli

waqit: 6 saat	
Shinig'iw tu'ri:	
Oqiwshilar sani:	
A'meliy-oqiw a'meliyati	
1. Tegislew jumislarin u'yreniw	
2. O'lshemlerge jatqiziw jumislarin u'yreniw	
3. Maslaw jumislarin u'yreniw	
4. Texnika ha'm O'rt qa'wipsizlik qag'iydalari	
5. Bahalaw ha'm bahalardi ma'lim etiw	
Oqiw a'meliyati shinig'wlaridin' ma'qseti: Egewlew boyimsha bilimlari haqqinda mag'liwmat beriw ha'm olarda temani bekkemlew, ko'nlikpe ha'm ma'lekelrin qa'liplestiriw.	
Oqitiw na'tijeleri	Usi temani o'zlestiriw na'tijesinde oqiwshida qa'liplestug'in bilim, ko'nlikpe yaki kompetenciya
Prdogogik waziypalar:	Oqiw barisinda na'tijeleri:
1. Tegislew jumislarin u'yretiw	1. Tegislew jumislarin bilip aladi
2. O'lshemlerge jatqiziw jumislarin u'yretiw	2. O'lshemlerge jatqiziw jumislarin bilip aladi
3. Maslaw jumislarin u'yretiw	3. Maslaw jumislarin u'yrenedi
4. Texnika, lektr ha'm o'rt qa'wipsizligi, sanitariya-gigiyena nizamlarin u'yretiw	4. Oqiwshilr texnika, elektr ha'm o'rt qa'wipsizligi sanitoriya-gigiyena nizamlarin bilediler
Oqitiw usillari	Jiynalis, tu'sindiriw, ko'rsetiw, Yoriqnama beriw, kitap penen islew
Oqitiw qurallari	Stentler, ko'rgizbeli qurallar. Kadaskop, slaydlar, Grafik organazerlar: "T" ruyxati, "Insert" ruyxati
Oqiw barisin sho'lkemlestiriw	Toparliq, gruppaliq, jupliq, jeke ta'rtipte
Oqitiw sh'art-sharayati	U'skelengen slesarliq ustaxanasi.
Qayta baylanis usil ha'm qurallari	Qadag'alaw, orinlag'an jumislardi tekseriw, awiz-eki soraw-juwap, test sorawlari, esabat h.t.b

6.2. Oqiw –a'meliyat shinig'iwlardin' texnologik kartasi

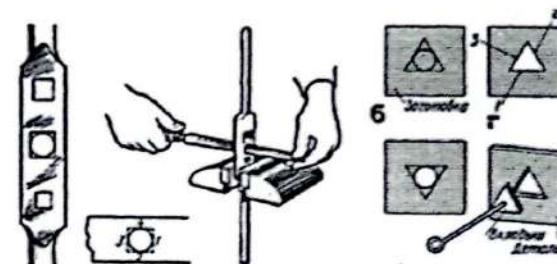
Is basqishlari ha'm waqti	-Iskerlik mazmuni	
	Oqitiwshi	Oqiwshilar
1-basqish. Oqiw-a'meliyatina kirisiw. (15 min)	1. Oqiwshilardi joqlama qiladi 2. Oqiwshilardin' a'meliyatqa tayarlig'in tekseredi. 3. A'meliy shinig'iw ati, rejesi, maxset ha'm ku'tilip atirg'an na'tiyjeler menen tanistiradi. 4. A'meliy shinig'iwdin' bahalaw kriteriyasi menen tanistiriw. 5. Qa'wipsizlik texnika qag'iydalarina a'mel qiliwdi eskertedi	A'meliyatqa waqtinda sanitariya ha'm gigiyena санитария talaplarina a'mel qilg'an halda arnawli kiyimde keledi, Tin'laydilar jazip aldalar ha'm slesarliq isleri haqqinda bilgenlerin u'yretedi.
2-basqish. Tiykarg'i bo'lim (210 min)	Kirisiw instruktaji (50 minut). Oqiw shilar bilimin rawajlandiriw: 1. Tezkor-soraw soraw-juwap, aqiliy hu'jum arqali bilimlenlerin aktivlestiriw Taza oqiw material bayani: 2. Oqiw a'meliyati temasi boyinsha uliwma mag'liwmat beredi, jumis processin tu'sintiredi: Gezektegi instruktaj (___ minut). Jan'a oqiw materiali boyinsha a'meliy shinig'iw islew. 3. Oqiwshilardi jumis orinlarina bo'listirib a'meli jumis boyinsha jol-joba texnologiyaliq karta ha'mde o'zbetinshe jumis islew ushin xom-ashyo tarqatadi ha'm ko'rsetpeler beredi. 4. O'zbetinshe jumislardi orinlaniwin maxsetli aylaniw waqtinda qadag'alap turadi ha'm jumis processinde oqiwshilar ta'repinen jiberilgen qa'telerdi ko'rsetedi. Juwmaqlawshi instruktaj (15 minut) 5. Shinig'iw tawsilg'annan son' jumis orinlarin talap da'rejesine keltiredi. Tayarlang'an o'nindi qabil etedi.	Teksti belgileydi Tin'laydilar jazip aladilar, Tin'laydilar jazip aladilar, Talaplarg'a tiykarlanip is ominin payda qiladi. Tin'laydilar jazip aladilar, Birinshi jardem beriwge shinig'iw qiladi. TX Jurnalina qol qoyadi. Sorawlarg'a juwap beredi "T" jurnalni toldiradi
3-basqish juwmaqlaw (15 min)	Juwmaqlawshi 3.1 Oqiwshilardi a'meliy shinig'iw boyinsha bahalaydi ha'm bahalardi ma'lim qiladi. 3.2 Kelesi slesarliq isleri kasbiy qa'siyetinde za'ru'rlik axmiyetine iyelegenine itibarin qaratadi. 3.3 Kelesi shinig'iwlar menen tanistiradi ha'm "Insert" jurnalini toldirilip keliwin u'ye waziypa qilip beredi.	Tin'laydilar Tapsiriqti jazip aladilar

6-Tema

Egewlew

U'sh mu'yeshli ha'm to'rt mu'yeshli tesiklerdi tayarlaw

4- qoshimsha



5-keste

Исызлап са'йлестири7де ушрайту2ин ко'ринислер

Belgiler	Payda boliw sebepleri	Aldin aliw
Tekis emes sirt	— Улкен даналы абразип кукін ислетилген, май нату7ры танлан2ан	—Тийисли абразип кукінлери 8ам майлардан пайдалану7.
O'lshepler tuwri emes, geometric ko'rini buzilg'an	— Исизлазыш надурьс та4лан2ан, детал яки исизлазыш насырьс орнатыл2ан	—Тийисли олшем 8а'м коринисдеги исизлазышлардан пайдалану7. Деталдыисизлазыш2а яки исизлазышты детал2а аныз орнату7
Juqa detallar tulegen	—Исле7 зуйымлары улкен, детал зыздырыл2ан	—Тийисли зуйымды таминле7, деталарды4 5°Стан ортыз зызу7ына жол зойма7.

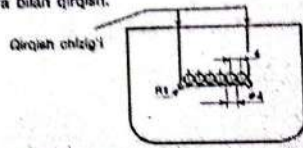
Chilangarlik ishi

Ўзбекистон Республикаси
Олий ва о'rta maxsus ta'lim vazirligi
O'rta maxsus, kasb-hunar ta'limi markazi

DETALLARNI EGOVLAB BIR-BIRIGA MOSLASH (2-varaq)

ISHLAR KETMA-KETLIGI:

1. Ikki ta qisqa va bitta uzun tomonlar orasidagi burchaklarni to'g'rilash va egovlash.
2. Plastinkani mayin egov bilan tozalash.
3. 1- va 2- detallarda teshiklarni rejalash va parmalash.
4. 1- detallni eskizi bo'yicha parmalash, 1- va 2- detallarni arra bilan qirg'ish.



Qirg'ish chizig'i

Teshiklarni korniamasdan bir-biriga shunday yaqin parmalaki, arra bilan qirg'ayotgan bo'lakcha o'zi ajralib tushsin!

Reja iziga rioya qili

5. 1- detalldagi qirg'ib olingan joyni yassi chegaraviy kalibrga moslab egovlash.

Yassi chegaraviy kalibr bilan tekshiri



O'tuvchi tomon yengil kirishi kerak!



O'tmaydigan tomon o'ziga kirishi kerak, aks holda detal yaroqsiz bo'ladi!

6. 2- detallni 1- detalga sirpanib o'tiradigan qilib moslash.

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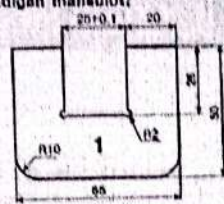
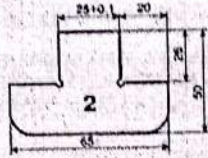
Chilangarlik ishi

Ўзбекистон Республикаси
Олий ва о'rta maxsus ta'lim vazirligi
O'rta maxsus, kasb-hunar ta'limi markazi

DETALLARNI EGOVLAB BIR-BIRIGA MOSLASH

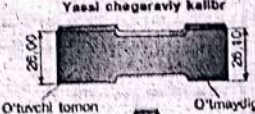
Zagotovka: 70x55x3 mm o'lchamli 2 dona po'lat lit

Tayyorlanadigan mahsulot:

Asboblari: go'nya, bol'a, egovar, chug'ich, diametri 2 va 4 mm li parmalat, karnar, po'lat chug'ich, arra, ahtangensirkul, yassi chegaraviy kalibr

Yasal chegaraviy kalibr



O'tuvchi tomon O'tmaydigan tomon

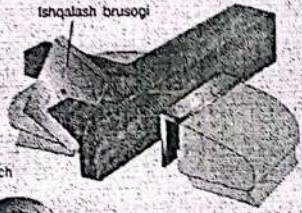
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O'rta maxsus, kasb-hunar ta'limi markazi

ISHQALASH (2-varaq)

ISHQALAGICHLAR



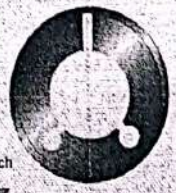
Ishqalash brusogi



Silindrik ishqalagich



Rezba halqali ishqalagich



Yig'ma ishqalagich



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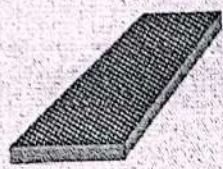
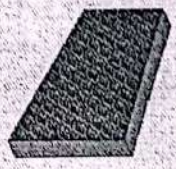
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O'rta maxsus, kasb-hunar ta'limi markazi

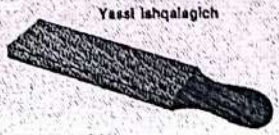
ISHQALASH

ISHQALAGICHLAR

Ishqalash pitalari

Yassi ishqalagich



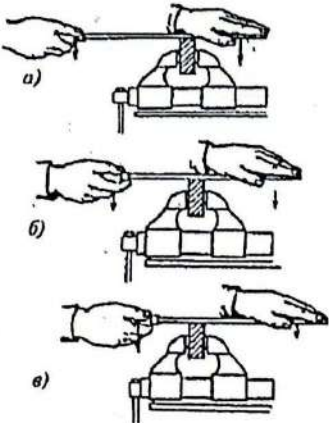
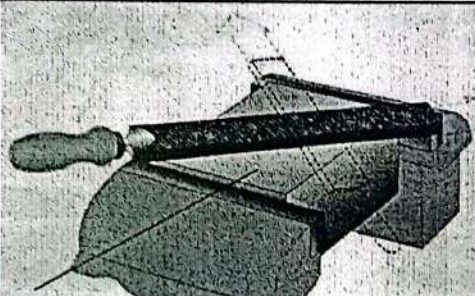
Murakkab shaklli ishqalagichlar




Kerilma ishqalagich



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	Egew menen jumis ha'rekerlerin qurilma pastinalari boylap orinlaw		Slesarliq verstagi ,tiski, parallel tiski, shinig'iw, 250-300 mm li tisli, topir ushli tegis egewler	Egew eki qol menen gorizental bag'darda aldin'g'i ha'm arqag'a ha'reket etiw kerek, wol pu'tkil juzesi menen plastinkag'a tiyip turiw kerek egwege shep ha'm won' qol menen basiw ku'shi bo'listiriwine a'mel qilg'an halda wog'an tek aldig'a bariwg'a basiladi
	Tegis ju'zeni egewlew		Slesarliq verstagi ,tiski, parallel tiski, shinig'iw, 250-300 mm li tisli, topir ushli tegis egewler	Tiskige zagatovkag'a bekkemlew tegis egew menen tegis ju'zeni egewleydi
	Tayarlant' a n detalldi islew berilgenin tekseredi	Oqiwshi ta'repinen tayarlant'an wo'nimdi islep shig'ariw ustasi bahalaw	Slesarliq verstagi и 1. Metall sizg'sih 2. Guniya 3. Shtangen sirkul	

JOL JOBA TEXNOLOGIK KARTASI

Амелият аты: Слесарлыз ислери.

Тема № 6: Egewlew

А'мелий шынызууды ма'зсети: Oqiwhshilarg'a tegislew (jiltiratiw) ha'm o'ishemlerge jatqiziw, maslaw 8a33ында bilim, ko'plikke 8a'm тажриубелерин артируу

№	Orinlanatu'g'in isler mazmuni	Eskizler	Qurilamalr asbaplar ha'm materiyallar	Orinlaw tartibi
1	Исызлау тахтасын таярлау 8a'm оны исызлап са'йкеслеуге таярлау.		Слесарлыз верстаги ісызлау ушун детал исызлау тахтасы полат валик ағаш тахта.	Да'слепки исызлау тахтасыны4 бекемлигин козден 7ткериледи, исызлап масланатоzon шеки зат жузеси тексериледи Жузеаныз шаберленген болуғы керек.
2	Детал жу'зесин исызлау		Слесарлыз верстаги исызлағыш	Буйым тахта устине исызланатозын сырти минен зойылады 8ам озан сал басып, путин тазтай сырти бойлап алдынга артза яки ше4бер тарзлы 8арекет зылып жургизиледи.
3	Са'йкесленген жу'зени тексеріу	Озіушы тарепинен таярланган зонимди ислеп шызаруу устасыны4 bahalaw	Слесарлыз верстеги тексеруу ушын у'лги	

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EGOVLAR VA ULAR BILAN ISHLASHNI O'RGANISH (2-varaq)

Iskanja balandligini aniqlash

Gavda (tana) holati

Oyoqlar holati

Metalni yupqa egovlashda gavlani shunday tut!

Katta egov bilan ishlashda (300-350 mm) o'ng oyoqni orqaroq qo'yib gavlani oldinroq egi!

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EGOVLAR VA ULAR BILAN ISHLASHNI O'RGANISH

Dastaki egov

Ish qismi

Yassi egov

Yassi dumaloq egov

Kvadrat egov

Uch yoqli egov

Dumaloq egov

Bir tomoni tishli nadjil

ЯНГИ ЎҚУВ МАТЕРИАЛИНИ СЛАЙДЛИ ТАҚДИМОТИ

Chilangarlik ishi *Uzbekiston Respublikasi Oliy va o'rta maxsus ta'lim vazirligi O'rtta maxsus, kasb-hunar ta'limi markazi*

DASTLABKI EGOVLASH MASHQLARI (2-varaq)

ISHLAR KETMA-KETLIGI:

- Shvefeler qirralarini 3-5 mm egovlash
Egovlash chegarasini chiziq bilan belgilat
Egov tekis olinishi uchun ikki qo'l bilan baravar hisol Egovning ish qismi oxiriga kelguncha o'rtiga harakatlantiril O'rtaga harakatlantirishda bosim
- Egovni to'g'ri ushlat
O'ng qo'l bilan
Chap qo'l bilan
To'g'ri rif
Noto'g'ri rif
- Egovlangan detallarni tekshirish
3-5 mm qayta egovlash
Noto'g'ri holatlar
O'ng qo'l kuchliroq bo'lsin
Iskaniya juda baland bo'lsa kerak
Chap qo'l kuchliroq bo'lsin
Iskaniya juda past bo'lsa kerak
To'g'ri holat

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DASTLABKI EGOVLASH MASHQLARI

Zagotovka: uzunligi 100 mm bo'lgan № 65 shvefeler
Tayyorlanadigan mahsulot:

Ashboblari: dag'al egov, reyamus, polat chizg'ichi, tekshirish chizg'ichi
Yarog'li
Yarog'li

Dag'al egov
Bu egov bilan egovni jarimlaymiz

Reyamus
Taglik
Taglik
Taglik

Dastlarni o'tkazish
To'g'ri
Noto'g'ri
Tekshirish chizg'ichi

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TEKISLIKLARNI DAG'AL EGOV BILAN EGOVLASH (2 - varaq)

ISHLAR KETMA - KETLIGI:

- Ustki yuzani egovlash
Krest shaklida egovlat
Lekalo bilan tekshirish
To'g'ri rif
Noto'g'ri rif
- Yon yuzalarni egovlash
Yon tomonlar ustki yuzaga perpendikulyar bo'lishi uchun reyamus bilan tekshirish turi
- Ko'ndalang yuzani egovlash
Ko'ndalang yuzalarni egovlashda, ularning yon va ustki tomonlari perpendikulyarligini go'niya bilan tekshirish turi

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Oliy va o'rta maxsus ta'lim vazirligi
O'rta maxsus, kasb-hunar ta'limi markazi

TOZA EGOVLASH MASHQLARI (2-varaq)
ISHLAR KETMA-KETLIGI:

1. Sirtini birlamchi egovlash (bo'yлама-ko'ndalang iz)

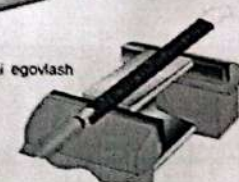


Zagotovkani iskanjaga faqat ko'ndalang o'rnat

2. Sirtini toza egovlash (bo'yлама iz)



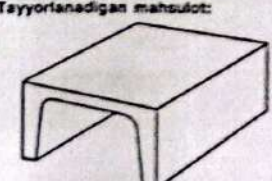
3. Tokchalar sirtini birlamchi egovlash (Bo'yлама-ko'ndalang iz)



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Chilangarlik ishi *O'zbekiston Respublikasi*
Oliy va o'rta maxsus ta'lim vazirligi
O'rta maxsus, kasb-hunar ta'limi markazi

TOZA EGOVLASH MASHQLARI
Zagotovka: №55 shuvlar
Tayyorlanadigan mahsulot:



Bo'y

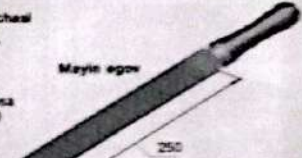
Asboblari: mayin egov, tozalash uchun kurakcha, to'rt. chot'ka

Tozalash kurakchasi



Mis yoki alumin polosa (uchi kengaytirilgan)

Mayin egov



250



Kurakcha bilan egov ishlati orasidagi qirindilarni tozala va u qayta yopishmaslik uchun bo'y surkai



Egov ishlatni chot'ka bilan Tish yemalishi bo'yicha tozala

62





Taqiyatas ka'sip-o'ner mektebi 2-24 topari "Kepserlew ha'm gaz plazma kesiw uskenelerin sazlawshisi" qa'niygeliginde 2024-jil 14-oktyabrde Slesarliq isleri paninen o'tkizilgen

ASHIQ SABAQ

PROTOKOLI

Qatnasqanlar : 1. A.Koshchanov-Islep shig'ariw ta'limi boyinsha direktor Slesarliq isleri

orinbasari

2. G. Samekeeva. Islep shig'ariw ag'a ustasi

3. D.Kulbaeva, Q.Eshbergenov, B.Seytnazarova.-Islep shig'ariw ta'lim ustalari

Ku'n ta'rtibinde:

Islep shig'ariw ta'lim ustasi: G.Aytimbetova 2-24 topari "Kepserlew ha'm gaz plazma kesiw uskenelerin sazlawshisi" qa'niygeliginde Slesarliq isleri i paninen o'tken ashik sabag'in talqlaw haqqinda.

Tin'landi: G.Aytimbetova 2-24 topari "Kepserlew ha'm gaz plazma kesiw uskenelerin sazlawshisi" qa'niygeligind " qa'niygeliginde "Egewlew" temasinda oqiwhilardi taza tema menen tanistirdi, texnika qa'wipsizlik jurnalina qol qoydirdi otiletug'in temani doskag'a jazdi. Oqiwhilardin' bilimlerin anqlaw ushin sorawlar berdi, Blic sorawlar berildi,kitap penen islesti, kishi toparlarga bo'lip teoriyalik bilimlerin bekkemlew ushin tarqatpa materiallardan paydalandi A'meliyat waqtinda "Egewlew" haqqinda uliwna mag'liwmat berdi,o'z betinshe tapsirma berip islenetugin islerdin izbe-izligi menen tanistirdi, oqiwhilar is orinlarina bo'listirip insruksion kartalar ha'm metall trubalardi tarqatip oqiwhilarga berip shiqti.

Shig'ip so'yledi: G.Samekeeva islep shig'ariw ag'a ustasi oqiwhilar o'z betinshe a'meliy jumislardi orinladi. Islep shig'ariw ta'lim ustasi tema boyinsha maqsetin ha'm waziypalarin tu'sindirdi ha'm orinlanatug'in islerdin' izbe-izligi menen tanistirip o'tti. Oqiwhilar bilimlerin soraw juwap arqali tekserdi. Oqiwhilardi toparlarga bo'lip, o'z ara pikir almasti, teoriyalik sabag'inda ko'rgizbe qurallardan, bukletlerden paydalandi. En' tiykarg'isi oqiwhilardi miynet qa'wipsizligi texnika qa'wipsizligi qag'iydalari menen tanistirdi, oqiwhilar usta ko'rsetip bergen islerdi diqqat penen gu'zetip bard. Ha'r bir oqiwhi orinlag'an islerin tekserip, onin' durislig'in ha'm kemshiliklerin ko'rsetip, oqiwhilardi bahaladi.

Keyingi so'z islep shig'ariw ta'lim ustalari Q.Eshbergenov,D.Kulbaeva,B.Seytnazarova, o'z ara pikir almasip, ashik sabaqtin' o'tiliwin taliqladi. Olar so'z juwmag'inda ustalardin' ha'r bir sabag'i ashik tu'rde o'tkeriwin aytti,oqiwh o'ndirislik ustasi sabaqqa jaqsi tayarlanip kelgen ha'm oqiwhilarga temani jaqsi tu'sindirip bere aldi.

QARAR ETEDI:

G.Aytimbetova 2-24topari "Kepserlew ha'm gaz plazma kesiw uskenelerin sazlawshisi" qa'niygeliginde" qa'niygeliginde "Egewlew" temasi boyinsha o'tken ashik sabaq "jaqsi" dep bahalansin. A'meliyat boyinsha ashik sabaqlardi o'tkiziwge ko'birek qolayliqlar jaratip beriw tapsirilsin .

Oqiwh o'ndirislik ag'a ustasi:

Xatker:




G.Samekeeva.

D. Kulbaeva