



Asukunen Computer Science Amonen Katowowun Non Unusen State

Unusenapen Aporausen

Maaken Porausen ren Ponu Sefan Seni Aramas Meinisin

September 2023

Ei taropwe a kan non taropwen maaken me pwan uwanong ew aporausen ren popun ren kakapas me pwan ponu sefan chok. Ekkewe ekkiek ra kan kapas usur ikei repwene ika resapw pwano non ewe saingonon atetenin amonen ina epwe katowow non September 2023.

Unusenapen Aporausen

Meinisin chon sukunen Oregon repwe kan angei ewe attun fansoun ar repwe kaeo computer science me pwan auchean ekkiek pwe epwe pekin ren ew unusenon asukun. Ewe kaeon computer science a kan anisi foritan ewe angang fengen me pwan achufengenin sakkun sineier kena ina a kan suuki asamen me ruwow tekian asukun me pwan ngeni tekian niwinir, tekian mochenin angang kena. Nupwen technology a sopwesopweno ne fofor ngeni meinisin pekin non mwichen aramas, ew poputan weweitin ren computer science a kan auchea ren foforino non ewe minafon unusen fonufan.

Nge ew chok, ei attun fansoun ese kan kawor ngeni meinisin chon sukun me non an Oregon we foforun nenien sukun non ei attun. Sakonon kena ra kan wor non atotongen me pwan fitinong non asukunen computer science non unusen state akaewin nefinen chon sukun kena ra aiititir pwe fefin, chon sukun mi wor anuwer, chon sukun fiti terir kena, mwe pwan chon sukun kena ra fos chomong fosun fonu kena.¹ Ekkei rese wewe fengen ra kan aitingeni ewe mochenin ren mutirin achonapeinon fitinongen non computer science non an meinisin chon sukun we saino non sukun.

Non ponu ngeni ekkei rese wewe fengen, non May seni 2022, ewe Oregon Department of Education (ODE) me pwan ewe Higher Education Coordinating Commission (HECC) ra kan aweneweneno seni ewe kepina me mwan Kepina Kate Brown ren ar repwe forata ew unusenapen state, amonen nongetamen katowowun ren asukunen computer science ren ar repwe achonapeino fitinongen ren meinisin chon sukun kena me mwan ewe 2027-2028 ierin sukun. Ewe awenewen a afatano pwe ewe amonen katowowun epwe angei ekkewe atotono mi tapweto:²

- Pwe ina asukunen computer science a kan fori pwe epwe kawor ngeni chon sukun non sukun ngeni meinisin aramas kena won ew anongonongen wewefengen.
- Pwe ina asukunen computer science epwe anongonong won ew tetenin angang ina a kan amweni chon sukun kena seni chon nounou computer ngeni chon sinei foritan computer kena ir ra kan eochuno non ekkewe ekkiekin me pwan foforun ren computer

¹ Oregon Department of Education Administrative Data (2022)

² Chomong poraus usun ewe awenewen ra tongeni kuuna non Appendix A

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science, usun a asinei seni foforun angangen kena seni unusen fonu me pwan awukukun kena.

Ewe foritan ren ei amonen katowowun mi pachenong watten foforinongen nenien nonom. ODE me pwan ewe HECC ra kan foforinong fiti arap ngeni 700 Chon non Oregon kena me pwan amwichafengeni ew mwichen kao ren 45 chon sukun kena, chon asukun kena, me pwan chiecher kena seni nenien angang seni non ewe state ren ar repwe awora mefier, ponu sefan, me pwan ekkiekir won ewe amon.³ Seni non ei foforun fofor fengen, fisu pungunon kena me pwan atetenin aninisir kena ra kan aiitireno ren ar repwe angei ewe anapenon towowun atotono ren tumunun wewefengeni atotongeni me pwan achonapenon fitinongen non asukunen computer science non unusen state. Ekkei pungunon me pwan atetenin kena ina ra kan maaketiw non Chepen 1 me fan.

Chepen 1. Pungunon me Atetenin kena

Pungunon #1: Meinsin Sukun Ngeni Aramas Meinsin Repwene Awora Attun Fansoun kena ar repwe Kao Computer Science
Atetenin 1.1 Annuku me pwan awora monien ewe mochenin foforun seni annuk pwe meinsin elementary sukun kena repwene awora computer science me pwan foforun ekkiekin angangen computer kena non meinsin wukukun mwich kena.
Atetenin 1.2 Annuku me pwan awora monien ewe mochenin foforun seni annuk pwe meinsin secondary sukun kena ⁴ repwene awora esapw kis seni ruwow sukunen computer science kena, ew ina epwene kan ew apoputan sukunen computer science.
Atetenin 1.3 Forata monien ren moni esapw ren sosotfengen akaewin chon ren kukun sukun kena me pwan sukun kena non nenien nonom ⁵ kena ir mi towaweno ren ar repwe fitinong non angang kena non nenier ra riri ngeni computer science ina a kan apechakuna wewefengeni me pwan foforun ponu ngeni eorenier kena.
Atetenin 1.4 Forata monien moni kena ren apechakunen me pwan achungeni program kena ra fen wor ina ra kan anisi anapenon apachenongen anapenon attun fansoun kena ren kaeon non summer, kaeon murin sukun, me pwan kao won asoson sukun kena.
Atetenin 1.5 Kakapas fengen fiti K-12 school counselors me pwan chon angangen ofes kena me pwan foforinong non foritan chon sinenap non unusen state usun foritan sukunen computer science mi apachanong meinsin, akaworen kena, me pwan atetenin kuuten kena ren asukunen computer science.
Atetenin 1.6 Forata pisekin angang kena me pwan nenien angaiin aninis ren an epwe anisi sukun kena me pwan

³ Chomong poraus usun ewe foforun foforinong ra tongeni kuuna non Appendix B

⁴ Ren popun kena ren ei taropwe, ewe kapas 'secondary schools' a kan kapas usun me ruwow middle me pwan high schools.

⁵ Anongonong won ewe 2021 [atetenin ia ra nom ie](#) a finita seni ewe National Center for Education Statistics (NCES).

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district kena non anapenon me pwan aeochunano wewefengenin attun fansoun computer science kena.

Pungunon #2: System kena ra kan Forita ren ar repwe Kuut, Amona, Anisi me pwan Iseni Sensen Computer Science kena.

Atetenin 2.1 Awora monien apoputan ren an epwe anisi ekkena ir repwene sensen ren sakkun aramas, fonu ra etto me ie, eorenier me pwan sakopaten fosun fonuwer ir ra kan angang ngeni ew laisenin asukun me pwan wor mochenir non asukunen computer science.

Atetenin 2.2 Awora monien apoputan ren an epwe anisi ekkena sense iei ren ar repwe anepano ar tongeni ar repwe asukuna sukenen computer science kena me pwan ren ar repwe achufengeni ekkiekin foforun computer non sukun kena ra fen wor iei.

Atetenin 2.3 Forata foforun an sense kao ren an epwe anisi amonetan minafon sense kena ren an epwene pachenong ekkiekin foforun computer non ar asukun.

Atetenin 2.4 Forata ew computer science micro-credential ren an epwe anisi ewe amonetan ren chon asukun kena iei ren ar repwe asukuna ekkiekin computer science kena.

Atetenin 2.5 Awora monien chon asukuna asukunen regional computer science kena ren ar repwe anisi asukunen computer science me pwan CTE⁶, anisi minafon sensen computer science kena, me pwan anisi atetenin regional me pwan unusen state foforun an chon sinenap kao kena.

Pungunon #3: Asukunen Computer Science Education a kan Fichino, Nongetamen Monien

Atetenin 3.1 Awora monien achochon ren aninisin me pwan anapenon wewefengnin atotongeni ponu seni eorenier me pwan sopwesopwenon asukunen computer science ren chon sukunen Oregon kena won ew iteiten ier.

Atetenin 3.2 Awora monien me pwan amutata nenien angangfocheno kena non ewe Oregon Department of Education ren an epwe anisi asukunen computer science.

Pungunon #4: Computer Science a kan Pwano pwe ew Nenien Eochuno non Annuk me pwan Porausen Annuk

Atetenin 4.1 Forata computer science pwe ew nenien eochuno seni asiwinin ekkewe porausen annuk mi riri ngeni me pwan annukun kena.

Atetenin 4.2 Angei K-12 awukukun eochunon kena me pwan CTE Sinean me pwan Porausen An Sinei kena ina ra kan wewefengen achunonger me pwan ponu seni eorenier ngeni asukunen computer science me non unusen wukukun mwich kena me pwan sukun kena.

Atetenin 4.3 Foforinong non ew foforun angaiin mettoch kena ren computer science.

Atetenin 4.4 Anepano, cheki, me pwan fori kaworen computer science me pwan mettochun asukun kena ir mi riri ngeni ina ra kan Nenien Aninisin Asukun Mi Suuk, fiti ew apechakuneno won apachenongen asukun ina a achufengeni ekkiekin foforun computer non ekkoch nenien eochunon kena.

⁶ CTE: Angang me Asukunen Technical

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Pungunon #5: High School Asukunen Computer Science Ra Kan Teten Ngeni Mochenin Met Repwe Fofori Ren Postsecondary Kena

Atetenin 5.1 Anomotano tonongen non sukunen high school computer science kena ika sukun kena ina ra achunanong ekkiekin computer science me pwan ekkiekin foforon computer kena.

Atetenin 5.2 Afengenin chon sukun kena fiti attun fansoun kena ren ar repwe nenengeni usun finin postsecondary kena.

Atetenin 5.3 Cheki aworen sukunen high school computer science kena me pwan forata ew kaeon fiti achungenin sukunen computer science kena non Oregon community colleges kena, 4-ier colleges kena, universities kena, me pwan attun fansoun mwichen angang kena.

Pungunon #6: Kaeon Computer Science a kan Minafo, Namot me pwan Chungeni Attun Fansoun Angang kena

Atetenin 6.1 Forata, anepano, atora ngeni aramas meinisin, me pwan asinei ngeni school districts kena usun ew maaketiwon nenien angang kena ra chiechi ngeni kich ina ra kan awora attun fansoun angang a kan anongonong won kaeo ren computer science.

Atetenin 6.2 Anisi ewe foritan ren regional Mwichen Amwen kena ren aninisin CTE programs kena.

Atetenin 6.3 Angang ngeni ew mwichen nenien angang, postsecondary, and pwan secondary ren ar repwe tumunu pwe awukukun eochunon computer science kena me pwan sineien kena ra kan sopwesopweno me pwan wewengeni anapenon technology won ew sopwesopwenon kena me pwan forata ew amon ren ar repwe kakapas usun ekkei siwin ngeni chon asukun kena me non unusen non Oregon.

Pungunon #7: Napenon won Anapenon Fitinong non me pwan Atotongeni Asukunen Computer Science ra kan Nenengeni me pwan Repotino.

Atetenin 7.1 Forata ew sopwesopwenon awukuku foforon ren asukunen computer science ina a kan chekeno seni ewe State Board of Education ren an epwe tumunu pwe ewe amonen unusenapen state epwene foforino non nongetamenon.

Atetenin 7.2 Forata taropwen sapengenin aramas meinisin afatano kinikitiwen katonong non sukunen computer science kena non unusenapen state.

Atetenin 7.3 Forata ew faaten maaketiwon ren National Center for Education Statistics (NCES) coden sukun kena ra asinata efen sukun kena repwene ekkieki pwe apoputan me pwan anapenon sukunen computer science kena non secondary schools kena.

Strategy 7.4 Forata ew Technical Advisory Committee (TAC) ren aninisin chon sinenap kena fiti ew faaten met repwe fori ngeni wewefengen, sakopatenon, me pwan foforon apachenong kena ren ar repwe cheki me pwan awora ponu sefan won katowowun ekkewe atetenin ra kapas usun non ewe Amonen Kawowun.

Kinapen ekkiekin kena, awukukun ren napeno, me pwan neni kena epwe wiser ra kan aporausa ren meinisin ekkewe pungunon me pwan atetenin kena non nusun ren ewe taropwe. Ew meni eochun attun fansoun ren katowowun a kan pwan pachenong non Appendix E. Angaiin ekkei

Ei taropwe a kan non taropwen maaken me pwan uwanong ew aporausen ren popun ren kakapas me pwan ponu sefan chok. Ekkewe ekkiek ra kan kapas usur ikei repwene ika resapw pwano non ewe saingonon atetenin amonen ina epwe katowow non September 2023.

pungunon repwene fofori pwe ewe achochon atetenin seni ODE me pwan HECC me non ewe 2027-2028 ierin sukun me pwan feifeino me pwan annukun monien me pwan nemenemen. Anogonong won ekkewe budgets ren pwan ekkoch STEM me pwan achochon CTE-kena mi riri ngeni non unusenapen state, ra kan awukuku pwe katowowun ekkei atetenin epwene moni arap ngeni **\$20 million ew iteiten ruwow ier.**

Kose mochen tinano kapaseis ika mefieom usun ewe apoputan computer science non Oregon ngeni ode.csinitiative@ode.oregon.gov. Ren chomong poraus usun ei angang ra tongeni kuuna won ewe [computer science initiative website](#).