Daylene Long ([00:03](https://www.rev.com/transcript-editor/shared/76Cn0PvAKMPhtxYwGvDkjNDlw6gOODxh5wxvf7iy0UYAjMzRCmvjAKgUsoGgJh07MrQTZZQzr_-2fdVQCi-dfCKXDBg?loadFrom=DocumentDeeplink&ts=3)):

So tell us a little bit about Joe.

Kimberly Herder ([00:06](https://www.rev.com/transcript-editor/shared/LP2OMuspx51V9nTH_frCw1TL26Ad_m90yMcnp8_xMBcxIWc0d-BY4CH8pbXIzqdE6nXL1kXdV93xRL6XfBPB9unXYjQ?loadFrom=DocumentDeeplink&ts=6.45)):

Joe Myers is at Norfolk Senior High School in Nebraska. I was born in 1974. He's been teaching for over 20 years in the life science or science teacher. He teaches biology and AP environmental science right now. He's a certified Spanish interpreter.

Kimberly Herder ([00:37](https://www.rev.com/transcript-editor/shared/epwHKrjiWzWDVyDeE8kYm-XsjmxNgr39wHy-_LcJXvLVLX3BrwW6NHwcuUqfdHFcHyzy6BLPgQK8I2ZxEAv1vvNGk-8?loadFrom=DocumentDeeplink&ts=37.8)):

He, we'd call him a Flynn and Veneer loyalist. He is the founder of the robotics club at the school, but is no longer the coach. He is the varsity men's soccer coach and also does club sports, so that's kind of, that would, I'm guessing, is a paid position. He's also the coach of the Nature Club, which is a new club on campus Environmental. He is the past president of Nebraska Science Teachers Association and still on the planning team, and he writes a lot of grants. This last year he, or over the last five years, he's written 10 grants for over 30 grand.

Daylene Long ([01:31](https://www.rev.com/transcript-editor/shared/I3a6S5Cmtz1hSFbi3QtNr2rTvpqB91fLSKq3NtacSveXlv5bZA6YMzFVqNCqudVXnz-vtdvHSp1ohYJTyzFDVx1A-U4?loadFrom=DocumentDeeplink&ts=91.185)):

Okay. Something weird is happening. Why is my phone ringing? We're in the correct meeting, right? Yep. I think so.

Kimberly Herder ([01:48](https://www.rev.com/transcript-editor/shared/W0-GJ9gnfjbRB6lpMODkfCFMZ7m-P2wMXHwHG2gDiC6irM6rr4U1O9X87e30dRLKHEvlHLAU7iyK6w6XNAxbPHIr8rY?loadFrom=DocumentDeeplink&ts=108.33)):

We changed him, but that shouldn't have changed the

Daylene Long ([01:51](https://www.rev.com/transcript-editor/shared/NgvO51xYsM0RbaeYqXbinv_1GvrsgCGVJ_wLTKuygLjgOEOscTP03VNZ35JKZVgkIUEeilVjAqQ02S1WUzRVmDZgPt4?loadFrom=DocumentDeeplink&ts=111.78)):

Meeting link. Right,

Kimberly Herder ([01:53](https://www.rev.com/transcript-editor/shared/HrmEZjpDEBikPf1KK67ke3izRMAiMq0hGbi83M-dL2bMwSu622Fx3RxULKGdmLtHY6IBZk4lENdGEzo3K_f3LsvLBJI?loadFrom=DocumentDeeplink&ts=113.31)):

Right. I just

Daylene Long ([01:53](https://www.rev.com/transcript-editor/shared/B8AUToKzBc-rxlQMLLiBBQzuNPJ2nvYJ0YTSmqD6BDCXbaFhnKx8USk7LYyrG-JkpWA2EADMLa2hGOqsaUKI71Ywv8k?loadFrom=DocumentDeeplink&ts=113.85)):

Make sure we're in the right meeting link. I clicked on the one in the invitation and you did two because you're here. It says he accepted, so I'm not sure. Maybe it's just my phone being weird. I'll

Kimberly Herder ([02:26](https://www.rev.com/transcript-editor/shared/4MF-iTG4hVYJ9zIgjIUcue1DhJhfDQnv4NPLMcmDLZ704nMKl_2bNGWk7wz8UcLH4bY7B0w7V4Kw_6APkHzdtzO9_VY?loadFrom=DocumentDeeplink&ts=146.1)):

Give him a minute. Is he there?

Daylene Long ([02:28](https://www.rev.com/transcript-editor/shared/sd4VZngBT_6TmpTaBv6TCqPt4CeqPI4DKr_drk6YoYXDziTVN3bbGQWnFTb_QnqKx3mpcmR8HtS_zq43XSSi9HgAP-Q?loadFrom=DocumentDeeplink&ts=148.86)):

No, not yet. Okay. I was just looking up to verify what Robin said about being able to buy Carolina materials online and get free shipping and she's smacked dead on, right.

Kimberly Herder ([02:48](https://www.rev.com/transcript-editor/shared/Rkwu6iWRcwcMRs-0GIBJBvQ_ISGyI_bugTX8hNMOWYFiVMKDcWKRSAQ5FJS-VlUX9TpqwZY6qKyiRNrM9Ewcz4NJJlM?loadFrom=DocumentDeeplink&ts=168.36)):

I know with PLTW, people used to do that, that they would, oh, I can't remember how it happened, but they could. And PLTW, we got our hand slapped a couple pretty savvy teachers because we were, I say we as PLTW, but I mean it wasn't me. Were same getting veneer equipment and packaging it and that sort of thing, but we were rounding up a few percentage and they figured out that they could go to direct. So that was it. And the other thing that they were doing is, this has nothing to do with, but because PLTW being a nonprofit, they didn't have to pay tax so that they would order anyway. That was actually just kind a little thing. So I mean, they could buy crayons from us and stuff like that and not have to pay tax.

Daylene Long ([03:46](https://www.rev.com/transcript-editor/shared/hm3JiPF3DNuViL6wFnCVOUDdmIbbmkveX_RvsBw0ecJ0VGiFGP-pbAsuYOw0irL2cKAWsJNdyEX_IWs-75RsNql_OxI?loadFrom=DocumentDeeplink&ts=226.75)):

Oh, wow.

Kimberly Herder ([03:51](https://www.rev.com/transcript-editor/shared/K38_hzqO2ivYWCFiclGMEdbB5PHVybw5TeOSArZw__qsjOgvrECGjQlbnmiI2p-HIAyAkWwBaAgIJrz_P5rM_iEwPus?loadFrom=DocumentDeeplink&ts=231.01)):

Even though they didn't need crayons, they could, I mean, for what they were doing with us, but we had it on our shopping cart, so they'd order 'em

Daylene Long ([04:00](https://www.rev.com/transcript-editor/shared/5enqy4ijPEP6sfKZY5u7ulgDtrGmu-8GQlpXIfg_MjCA5PWEtLNB-qPrNaIPUczvINQC4OGPSZ6vIUYJpY_u9ghPDKM?loadFrom=DocumentDeeplink&ts=240.25)):

Because as we've heard consistently, they're looking to even OES to get the best price for what it is that they're getting. Interesting. Okay, we have Joe ready to join us.

Kimberly Herder ([04:30](https://www.rev.com/transcript-editor/shared/Y7TzLuhotPxai2iap4mKw9Qfu_DUKHGvN7WNi78xJbSecyhs3KNbjTDdh6AgpKhioQtBQvZ4Map3GPGoRmq1gAnQkIo?loadFrom=DocumentDeeplink&ts=270.52)):

Joe Myers. Mr. Myers, Can you hear Joe?

Daylene Long ([05:04](https://www.rev.com/transcript-editor/shared/W2-jkFAzyag0lkiWIOM9dg1ke5DxZ7xQU-rOozwSSWH4QUkJyl3hdn8b-9Z-KEVLsLjxmexMLVIOyhQPQesgJ-561qQ?loadFrom=DocumentDeeplink&ts=304.33)):

Hello?

Kimberly Herder ([05:07](https://www.rev.com/transcript-editor/shared/95Sdok24z8i6cUw74yPT073znZC7gg7Gil57Tr_8M7iVNZ9xpTNmIQVWwY9OOxWlMJRTaWt2QgIklUoTjlLzWpVrejI?loadFrom=DocumentDeeplink&ts=307.06)):

It looks to us like you're logged on, but we can't see you or hear you. We have a connection with you, Mr. Myers, but we can't see you or hear you yet.

Daylene Long ([06:30](https://www.rev.com/transcript-editor/shared/oc_nMXSk6A60RHUHgL2qaCo6F3_uTzvAo0SS7pEpqK2N0deEAgTDC5qTgmDdS71LrfUWeeJe6_a5mk61idc6MAPh4BY?loadFrom=DocumentDeeplink&ts=390.47)):

Kim, do you want to try sending him an email just in case I put something in the chat, but I don't know what he has access to.

Kimberly Herder ([06:37](https://www.rev.com/transcript-editor/shared/CQAL8c22XWsVEbOBde4t2mhurwGpVHW-trL3Nh6UVEc9jNo77F_K8E9c9Qr3k8RCkqgnJaMEKxZsX87eAU-V4K-ykEk?loadFrom=DocumentDeeplink&ts=397.16)):

Okay.

Daylene Long ([06:54](https://www.rev.com/transcript-editor/shared/yeyvsKrERKQiSTrbJxMkyuBrz-mXt7xoNUw6CmTF0AIBofi8171M4Db6Ifhr-m60TuBkV_71LZLnczJUB3tC66jgXx4?loadFrom=DocumentDeeplink&ts=414.68)):

Interesting part is it no longer has his name on. I mean, it's just a blank screen now.

Kimberly Herder ([07:00](https://www.rev.com/transcript-editor/shared/FZT8AquuqO62B8-6ZFNrldHDgDaRdk9m6KNatxUE7tHoTl8rv0K84GLRK1AGvra_MPuV7LGj83bnLPySwxMsB2v_03s?loadFrom=DocumentDeeplink&ts=420.5899999)):

I think maybe he got his thing at the top,

Daylene Long ([07:04](https://www.rev.com/transcript-editor/shared/PoWJPcHGfSxVGd7ZgTn-bIYENKaofQyeca4B5ycAKuhigsxg1kjclOJq10JhYYjxlGy6dR3YjYPqQjKmoN9dG9UEqW4?loadFrom=DocumentDeeplink&ts=424.67)):

Maybe closed. It doesn't explain the audio though.

Kimberly Herder ([07:09](https://www.rev.com/transcript-editor/shared/5vppTLEgS1rzr3rAMPMyDVo10B8_gFgjijTClrZUveCYGr9bidAFCxe_SsjAoC1q0W2-PlbxxGJJ_nbB-DDTEkFczPk?loadFrom=DocumentDeeplink&ts=429.26)):

No,

Daylene Long ([07:18](https://www.rev.com/transcript-editor/shared/jGh1eyf5FKLlAyc-nLlydv9opHb65jDxvOD-4PZqoxRuSb2n8P_DvOUDyrpjN0hQJ3y9ErZmXXLxz_ru0DocX6O2S64?loadFrom=DocumentDeeplink&ts=438.265)):

Joe, if you can hear us, I would check to see if there's a slider over the camera on your computer because we're getting just a blank screen. There we go. Now we need to be able to hear you.

Joe Myers ([07:50](https://www.rev.com/transcript-editor/shared/3jinjAnXBJ59piYzahFRUIexJ0xrdmUgsU8qN8ShgPbJONmyzzhJLPIjloY3x4w7Sut3VLcoqz886iQhcT1z0WwoBoY?loadFrom=DocumentDeeplink&ts=470.48)):

Hello?

Daylene Long ([07:51](https://www.rev.com/transcript-editor/shared/fNoH650G66Tk1iYTrlD34cIZSoa7lqDymuJNUvvVGkX37pmqLm6CDzp3H97IRdaRjfwIfyHuojcmiTWbuPZieovE7BM?loadFrom=DocumentDeeplink&ts=471.555)):

Hi. We hear me now.

Joe Myers ([07:54](https://www.rev.com/transcript-editor/shared/ejR9Pi9Cfn5EFbzjg__W0PYE9v3sR6X9InPYpFPslMNQ0sdL7Ep9UkeaQHNAV41dGYpp-ENEaNh0KGMXoziFA8XJhoI?loadFrom=DocumentDeeplink&ts=474.92)):

Can

Daylene Long ([07:55](https://www.rev.com/transcript-editor/shared/mQtyXFm2eXV4-wmdJZDb6lNzBJilu18VgaFr18gRR7w8_q7l7Pqo1msSFAKpOEgSflM1OGU8Jxbv1JMj8SwfXqkywhE?loadFrom=DocumentDeeplink&ts=475.04)):

You hear us?

Joe Myers ([07:56](https://www.rev.com/transcript-editor/shared/45KtevDT7laTT7QDm43Wx_ktFMQlDxtt_JSTfFsszRMaGC6NYnSLkYD_z4zwy7Cdz3ZZ6KVwTAagLNW7NcucwHigEQs?loadFrom=DocumentDeeplink&ts=476.24)):

Yes.

Daylene Long ([07:57](https://www.rev.com/transcript-editor/shared/z57ov2BLugL7frhVu1R8CrppGuMBTvwE6azt-YfxNytBj8wroYRheYABvCtpUB1XReBJZ2uAXiwNf5_yN9bEZRMvSi0?loadFrom=DocumentDeeplink&ts=477.14)):

Awesome. Good. You just never know what's going on with those computers these days.

Joe Myers ([08:04](https://www.rev.com/transcript-editor/shared/L-zNAF9WeNv8wFFz4ZWCzw-ccQ53XpFaQ0ULYYYuviZOUTsHyVo1cnPhb-5y-q8RD6nTUreZ0qubg5uZo3mv1_tktIo?loadFrom=DocumentDeeplink&ts=484.31)):

And I don't use Zoom as often as I did a couple of years ago, so

Daylene Long ([08:09](https://www.rev.com/transcript-editor/shared/5LfxuhZOu3R4ZVB4q0-g7e-rGODAsTgK9gChYNxGf5KE6g-NbH7HIaUkELxlPeAEQMaH2jKVgWrlFaCc-msMAOuzGJw?loadFrom=DocumentDeeplink&ts=489.86)):

You're probably grateful for that, I would Imagine.

Joe Myers ([08:12](https://www.rev.com/transcript-editor/shared/toMpPyNBCXuj9mqYWEt-SGhtXj3hKfcMI83aBK-0Hj2mPPLcmBGZOZrwpoJsjhMfl9MecQy79otFeWZQc_Bl4eTm-p8?loadFrom=DocumentDeeplink&ts=492.02)):

I'm very grateful. I'm very glad to be back in the classroom and coaching. I miss that part too.

Daylene Long ([08:20](https://www.rev.com/transcript-editor/shared/PHsCl08mAaSN-Ez_QEv4C4XnuFLMZi4xFNzyMJMBX-IQGWs5oWlJGduZL3ZZr9CEAFUND2nX6h8BOz_KUCGWrI1Q--k?loadFrom=DocumentDeeplink&ts=500.84)):

Kim, you want to kick us off?

Kimberly Herder ([08:22](https://www.rev.com/transcript-editor/shared/horj381bEVM1NfhEdVimJWaKijr0OLtD__F4vQJKMRja671q-TOgbGe5hgCWXLpWqR1wa1_5baVAaAakF03zN3loFl4?loadFrom=DocumentDeeplink&ts=502.34)):

Sure, sure. So I'm Kim Herder and it's Daylene Long and we're very glad that you're here with us today. And Daylene is the lead researcher and founder at Catapult X. So she's going to be conducting the interview and in a second I will be stepping off screen and work in the background, not that I helped troubleshoot anything that was just going on with you, but

Joe Myers ([08:51](https://www.rev.com/transcript-editor/shared/IPKWPcVk90pyuWl9WoF7GlMXWuoEOjxno0CRjfmPy8t_nKc7_QmWVb_yY_cTm7i1HXSm2cPYH2CKajWF3SA9I6hiZd4?loadFrom=DocumentDeeplink&ts=531.11)):

That's where I'll be sitting. So I'm very glad to have you

Kimberly Herder ([08:55](https://www.rev.com/transcript-editor/shared/J0dPyFsbtIEN6kpyg2SjYHk0gpSVGusuzddo1JGkDvASeyMmXdBbnGtfXyP8NK4FyTFUh38mOXRQitgmxlvBjtwpsUk?loadFrom=DocumentDeeplink&ts=535.47)):

A part of what we're doing that you're able to take time to meet with us.

Joe Myers ([08:59](https://www.rev.com/transcript-editor/shared/X8oRYNs-68QdE3RtVLIUNaOZI2Vab_NkhoPoc51uweJK0Dc_1Vms66dgIgZuy0n8c6fhXCEVIQ42sWFwdHDdRZtw4v0?loadFrom=DocumentDeeplink&ts=539.25)):

Sure, absolutely.

Daylene Long ([09:01](https://www.rev.com/transcript-editor/shared/iEZXC7_kCT1wd_BaRhK6MTEOMaypWWJbAnQLvCORTZo0Nq3uRXdnyGROYLvt2QA6hRSVbeJI50qqcEw6gFZVcjzb0q8?loadFrom=DocumentDeeplink&ts=541.89)):

So I'll just kind of kick us off and give you kind of an overview and some ground rules. We are recording today. It's just for note taking purposes. I promise you, you won't end up on YouTube and I won't ask you to do a TikTok dance or anything like that. It's just so that I can make sure that I'm getting accurate notes. And our purpose today really is we work with a variety of different science and STEM education companies, and our goal today is to really amplify educator voices so that these companies who support teachers and students know what's working in the classroom, what's not working in the classroom that they know if you're looking five years out where you want to see things in science education and specifically high school life sciences. So that's kind of the framework that we're working with. You'll see that we ask a lot of what and why questions. We get down into some really specifics sometimes, and then we back up and look at the bigger picture. It helps a lot of people to think of Kim and I as doing a documentary film where we are trying to get the whole picture of what it is that we're doing together. No right or wrong answers. And that's about it for the overview. Any questions before we dive in?

Joe Myers ([10:39](https://www.rev.com/transcript-editor/shared/0Ksec3oh4h_3iugs4j51J7aFk1opAylYJKRLFYVIDR-Xg3bHJEdoUyFLv78vHw8uumhZ0sdyfgTVo0WrJhnipmu_Ndc?loadFrom=DocumentDeeplink&ts=639.69)):

No. Do you know approximately how long the interview is for? Just for my own planning, my afternoon here,

Daylene Long ([10:48](https://www.rev.com/transcript-editor/shared/xJRYquEDV5jFcGPOYzWY5I1wXumaiKTkHuNsAyGGjUieYJ9vGjLORQ9Bx2BNr0P9aS3kOwy5X618GwgXfUj5SvZcyYs?loadFrom=DocumentDeeplink&ts=648)):

We were planning to go to 1 45, but if we need to get you out earlier we can. Oh,

Joe Myers ([10:54](https://www.rev.com/transcript-editor/shared/05bepT-3ECFTyyDqJR1P2SOmeblYrB1adtvbtYdssN5vvjLLAUgG-BGsMEIVcVgBCChM6ES1KJg940z7H-EJQIqlXQE?loadFrom=DocumentDeeplink&ts=654.9)):

Sure. That's fine. Is 1 45 okay. Yeah, I'm on central time, so it's three o'clock here, so nine,

Daylene Long ([11:04](https://www.rev.com/transcript-editor/shared/yLY-nPixZEBy90Pjw4z1uAK9X5urFJOPV9tkroszrQOenZcj6oaelMBlvSsaSJ-NIdVinu1yfrldg180P1FY0Px0CcE?loadFrom=DocumentDeeplink&ts=664.11)):

So three. We will get you out by 3 45 your time. Yeah, That sounds great.

Joe Myers ([11:10](https://www.rev.com/transcript-editor/shared/RDoUZ8-MF4vimHK5GahzwwH7Sepm0iIRfUOupnuj0PJf0rv6Bn5VBAPcUhIOWjLs2Tz_Cb1dpBnyQy5wdBmZil4oFBs?loadFrom=DocumentDeeplink&ts=670.29)):

Yeah,

Daylene Long ([11:10](https://www.rev.com/transcript-editor/shared/QkoML-ujNk3xO1SsjiB204-JoHVYooAeOEbDR13Xi_5D-NuyLBObVj73C3zC1DAYUAI9dbYYyosVM_-d44X9QRtgmH4?loadFrom=DocumentDeeplink&ts=670.41)):

And we'll toss it to you for wrap up at 35 after. Okay. So let me just dive right into the meat of it then. I'm sure you probably got coaching today, don't you?

Joe Myers ([11:24](https://www.rev.com/transcript-editor/shared/SQbz3fqMErDaGr3d95jyOC0HF9lmNNl5GtpY_vy-CdVVDPcibZW02WvfsUN_61iKc1gWI8aFQ1qAOE8GsGtTKm37Nss?loadFrom=DocumentDeeplink&ts=684.725)):

Yeah, in a little while. Yeah.

Daylene Long ([11:28](https://www.rev.com/transcript-editor/shared/fpFoomyW2rFACGmLkQFOy0ITjFkHnIyswoEKcFX-qO0L_FH85CIHEz0ydR21Ave9v5OOJKDJfKmxj_HNKMwKzkq-H60?loadFrom=DocumentDeeplink&ts=688.59)):

Okay. So you mentioned in your survey that you had purchased materials for life Science materials in the last six months or so, and I wanted to just have you kind of roll back to that timeframe and think about what it is you bought and who you bought it from and what you liked and what you didn't like.

Joe Myers ([11:53](https://www.rev.com/transcript-editor/shared/UiCRo9GMfDQxcpz0wTkHUedOJ7IAYmSITefA_ugUX9KdC2UA_P-xE4_4K3aXB-huwyBn_qMhBeQkKFX7sTGAZMyN890?loadFrom=DocumentDeeplink&ts=713.89)):

I'll get out the book. We purchase a Levine As far as textbooks and curriculum, that's who we go with. We have a hybrid curriculum. We have a team of four biology teachers here at my high school, and we basically use that textbook and some of the online resources that they use to basically have a backbone that we kind of build our own materials off of. So it's pretty hybrid. It's definitely not, the kids aren't working online very much except for Google Classroom and stuff like that, so it's very blended. That was our big purchase in the recent, this is the second year that we've had that textbook and that curriculum. So we basically go through

Daylene Long ([12:58](https://www.rev.com/transcript-editor/shared/c-DTvuBwjH87WY_39X_hEfUNfieoObGbzWSkMM7UCIk-FpjX0RsmK3L1l-m9ew_VJL153XiBNiinz-9u-0atELp5eBg?loadFrom=DocumentDeeplink&ts=778.975)):

Robin. Oops, sorry about that.

Joe Myers ([13:02](https://www.rev.com/transcript-editor/shared/xSYP7Iz71otnDIKZddyLEUNLCJ15n88G83wshTT927Jt-6BJljzkjg4krriBgL-kZHhV8SyspcJ0LTO8u1Lbm6n6hos?loadFrom=DocumentDeeplink&ts=782.02)):

No, it's okay. We basically go through a curriculum adoption or at least having the discussion of adopting new textbooks about every five years in the district. Other than that, I personally in my own classroom try to use some Vernier technology, so I've purchased some of that. It's not use as much as I would like to because we're pretty, our department has been forced to basically teach in teams. So what I teach everybody else is sort of teaching. So I'm required to basically teach the many of the same lessons and I have to give the same assessments, summative informative assessments, so I don't have as much independence in my classroom as I used to, what I can and can't do, I guess, which is positive in some ways, but also negative in some ways.

Daylene Long ([14:12](https://www.rev.com/transcript-editor/shared/EPFA5srgJulUqnoxdN2iCbHQGzisZv2zIT2ORnxsakVjP8QqQodgpjmN1q6wFw-WZYah3CtyaN2uWVEC45rV3ijol8Y?loadFrom=DocumentDeeplink&ts=852.73)):

So you're in Nebraska, is that correct?

Joe Myers ([14:14](https://www.rev.com/transcript-editor/shared/imsetvROv9R-8YfcOePyhdgWw4p1WyM8vZzkaFEHV9G-ESGIp3gcqBAEg857gfKBMICsuTIMBoDeFAqaMNo0rXv1t4E?loadFrom=DocumentDeeplink&ts=854.5599999)):

Yeah.

Daylene Long ([14:15](https://www.rev.com/transcript-editor/shared/EsOZY2K3Tl_QinQrtp3uKmyxyg0GxuQ12FDbF4r78U2TXWhJ4Q1oFNtdQwfv8MAdgrm9yaHPDZHQxXVYdMrqwyzwuzw?loadFrom=DocumentDeeplink&ts=855.34)):

Okay. So does your district adopt a textbook for the whole district or do you get to choose independently?

Joe Myers ([14:23](https://www.rev.com/transcript-editor/shared/bauRKRPTDhNGtC7EwBaVx-OdU9gjmKuj55GHzMNPuTiepIulOU0Eeil6Zt08D8yzTpMHkbFzUMdIPBWr9Uo1wcmxWkw?loadFrom=DocumentDeeplink&ts=863.86)):

Yeah, we choose independently at the different levels. So the junior high has a different curriculum. My building is ninth through 12th, so basically that's in ninth grade. We teach a physical science curriculum in 10th grade. We teach biology, life sciences, curriculum. Those are two required courses that our high school students take, and then they take elective third year of science, which could be chemistry or physics or a variety of other choices.

Daylene Long ([14:58](https://www.rev.com/transcript-editor/shared/f4xkoiZl3sBxUle3AK7GVbltMFJWDpGkSmk-LZoNDDMH6rsUVOJUrC8i-lTslQgdL1XmsMNdY4LGQ8UMZ1LijvtUqfY?loadFrom=DocumentDeeplink&ts=898.415)):

Okay. Okay. So textbook adoptions were your last big purchase, and when you look at supplies for hands-on materials, who are your go-to companies?

Joe Myers ([15:13](https://www.rev.com/transcript-editor/shared/6hot6xC99CEXUw7-l8uHJ-KKoQz0tbqqDwt9DZjfcfJKF2bXacVQtcSoEmfDgJxz_CjiO_c3sbNlBLOR_fo_kfi80Lo?loadFrom=DocumentDeeplink&ts=913.88)):

Yeah. No, we have a lot of freedom in who we go with. I mean, sometimes if the price is right, we'll go with pretty much, much anybody. I guess. I wouldn't say that there's one that I use more than other ones. Yeah, honestly, Name

Daylene Long ([15:38](https://www.rev.com/transcript-editor/shared/qKHqqCPs7Q4Ngpl1cO-JEPJDmmQ8oC03tabIpr1rQjIESJ9_qsm2cafkjFsHcTCzkcjgM-9_bKbAu4B_XrYjAIooCgI?loadFrom=DocumentDeeplink&ts=938.15)):

A few that you might use.

Joe Myers ([15:41](https://www.rev.com/transcript-editor/shared/K7ZrA1MPo4P2PBA2gQftFKMP8rZnO1klsxb3U8389ZCilOJkWiPsD19LqZfViZ1C4SCn1yH0bmUWCPyK9DQc1lAz9lo?loadFrom=DocumentDeeplink&ts=941.87)):

Probably. Well, what I taught, physical science, I use Tao quite a bit. We don't purchase very much life specimens or dissections anymore at the 10th grade level, so we don't do as many wet labs. I think that's kind of a big shift. I probably around the time of Covid a little bit.

Daylene Long ([16:11](https://www.rev.com/transcript-editor/shared/MtZtmTaznWbqv1KeKK7BTdCtALq7E9FEGMOfsiddK8Loxogda9WbeeVO657PTIZHWu7iRK79mVdXS69CY_LH8E7HQ4s?loadFrom=DocumentDeeplink&ts=971.48)):

I was going to ask what caused that shift? Yeah,

Joe Myers ([16:15](https://www.rev.com/transcript-editor/shared/6h9TYR3KQ-Fr3ljDq2LXO_MkkstDq0CsQA7EnyNaEzXFIi7qgv7-UfHX7duTOqC-sV3olYrrRY4V31PN3QaLRnR27RI?loadFrom=DocumentDeeplink&ts=975.02)):

It was happening before covid, but I think kind of moved a little bit even more in that direction. And after Covid, if you give me a second, I can go give you my top three that I kind of pull from.

Daylene Long ([16:35](https://www.rev.com/transcript-editor/shared/DxqkjOhs7IueTuEfeqK3YJjBgWOnKUm9rBrQ6NWrc_Y4DWL9xTNSaHiVByx3OrfPAMCbhqELXcIJ5dDe8k0CmRzXvYU?loadFrom=DocumentDeeplink&ts=995.66)):

That'd be great. Okay.

Joe Myers ([17:13](https://www.rev.com/transcript-editor/shared/FbgrpHBz6AbreU37HkWXEGZhjwwdjVxThjfTK-Oes3a10f4bMJl0bzm--6Dqi5lH8pfuPaZgcK-2jgKwkb3qfMu3TBE?loadFrom=DocumentDeeplink&ts=1033.605)):

Alright. So probably Carolina is number one, and I would say we order from NASCO pretty frequently and probably third is this new. It used to be Fry, but those are probably the three that

Daylene Long ([17:36](https://www.rev.com/transcript-editor/shared/DptqP0ANpBBV9z-1NgTNuWHEWYIagC3TxJ1Xfjp9QsXK5OQh8wmWiw05G1bSOyuE-dZkmdmbVEULXgtvQZOYKQLjzk8?loadFrom=DocumentDeeplink&ts=1056.8)):

We order

Joe Myers ([17:37](https://www.rev.com/transcript-editor/shared/YXcGVGxlV_SBrAZt1kUtQrrSDUYVBabrvLZ2BGGHiZgIXojikBcZPvdMHutyW3G9k9HW5n-TxDIp2WJFvBW-clxIOT8?loadFrom=DocumentDeeplink&ts=1057.1)):

From.

Daylene Long ([17:37](https://www.rev.com/transcript-editor/shared/WWBJrXr3Js_b5QOhK1o-tqpFYLJYpMWQzRS4YXNfO6nWRVnTMskB5gtZA81zoYgZvW75BIXA0ixKmR2l0HF7SBImpmw?loadFrom=DocumentDeeplink&ts=1057.85)):

If they're not Fry, what are they called now?

Joe Myers ([17:43](https://www.rev.com/transcript-editor/shared/egj3LjVH-W-JPLDiNUuQNZBwqQQwC9gzCJZsB_K_egre9nBtGq2j5lRE1NBOA1bN8B4yl1bi-PwCY00bUPSXT8L-gcM?loadFrom=DocumentDeeplink&ts=1063.16)):

I don't know. Their school specialty, I think. Oh,

Daylene Long ([17:46](https://www.rev.com/transcript-editor/shared/dDZpIL_fvkiH9mq3_VBzMfBUsGDLIv_SqaQ56ccdhP45h1zBn9qpnDdnWqX7Bc3Mp4WqkxJ-P4O4aPzyZIatsO278wI?loadFrom=DocumentDeeplink&ts=1066.6099999)):

Okay.

Joe Myers ([17:47](https://www.rev.com/transcript-editor/shared/L5POSIdKUe_YS57jEgQxuY-_i5aAJPievdY4RpeumHNaN2GXanJLoPlLFJrSqXuM6Wd4KoCqbqNVIRlE7X6sEP66qcQ?loadFrom=DocumentDeeplink&ts=1067.72)):

Yeah.

Daylene Long ([17:48](https://www.rev.com/transcript-editor/shared/RV9pjXhmY0vITzH9DgTe7H3Rlcp66C5M_QwcpwIJiJL2iNxiw47G_s1ukAdvTUzQhFO45vRe-EKxRCuCkXl6xKbckvA?loadFrom=DocumentDeeplink&ts=1068.44)):

Okay. That makes sense. I can't

Joe Myers ([17:49](https://www.rev.com/transcript-editor/shared/FUV0BqmWZy0dYjW8JIrjapLFOGIfInGAT_NMsBz1pmmGnUfeA176KXYBB_8xqpP3-bod0N6DI7RD838ppqz_dhZTAtQ?loadFrom=DocumentDeeplink&ts=1069.26)):

Keep Up with who's taking over whom and who's collaborating with somebody else, but What

Daylene Long ([17:56](https://www.rev.com/transcript-editor/shared/nXb3I4qBHQI3uG-mLViViwjPYX2SdWPkftbtKtop78huMr6Y0L54RSKl2Y2AWmrpyx_eblQQfPEu_m7H0Mv2KJ7Wp_I?loadFrom=DocumentDeeplink&ts=1076.07)):

Do you typically get from Carolina?

Joe Myers ([18:00](https://www.rev.com/transcript-editor/shared/m0fsrLfHqOUXvVFih1C54nOmWknWI5JX27iOkXK-PZU5rQ2SK0RLEfjCD6_ef3K4NKoRFo5Qu9CCUYTK2DHqzBVSTIA?loadFrom=DocumentDeeplink&ts=1080.99)):

Yeah, probably, I mean for live specimens like LOD for some photosynthesis labs, cellular respiration kind of labs. Yeah, probably just basic chemicals. We'll go through Carolina. Usually every year we're ordering some consumables. Well, the things that might just last a couple of years, like some modeling like DNA models that you kind of have to replace just because of things getting broken or lost. Those are probably the big things. The Vernier things I usually order directly from Earner, and again, we've kind of moved away from using that technology a little bit just because it wasn't really embraced by my science department. And also there was the cost of having four different classroom sets of it for the four different teachers.

Daylene Long ([19:10](https://www.rev.com/transcript-editor/shared/-0DJ9ql6jr-6qmiTtNcrAEToB9G_Bpu0UAzOlDah2Pgg1w6YQFoa4tBZkNLxcvvVPv6UbSh78BDYbXruOJ9cesEjjuo?loadFrom=DocumentDeeplink&ts=1150.05)):

Do you buy anything from Flynn?

Joe Myers ([19:12](https://www.rev.com/transcript-editor/shared/mbyNdcIMswFVouaP2mnnzkOIjWZTXeN0XA4tXutN0cJdBHWCQalAq3GFDqxzFtR_byASQqhOiZQ0xotHEppr_CBctdQ?loadFrom=DocumentDeeplink&ts=1152.69)):

Yeah, we order from Flynn. Usually the biology department is tagging along with the chemistry department. That's usually what happens. So I don't personally order very often from there, but usually what we say is usually we just have a list of things that supplies and materials that when chemistry does their annual or semi-annual orders, then we'll just tag along with them. I would say Flynn is used pretty often in the chemistry department, but not as much in the biology department.

Daylene Long ([19:45](https://www.rev.com/transcript-editor/shared/q5OqiVtrB_ZXwi4NFMlGE6F5WwJxdmAfo9dJHNbQJIKFH3HbVx96sFAv6ZlRRx2ENx7R7Q_pqxYJG7-LDviKkDn90RU?loadFrom=DocumentDeeplink&ts=1185.3599999)):

Okay.

Joe Myers ([19:46](https://www.rev.com/transcript-editor/shared/2u-jjJBic_YXI5pFLXJr4tEFh-c6jegLRUQjiPJoEM_84VJS71peUEpnfFQSNnY1L5FpfkwxpVjN7IWidk6KV4MN3eM?loadFrom=DocumentDeeplink&ts=1186.68)):

I'm not sure in ninth grade physical science, they probably do something similar where they're just, when chemistry order is there, then they just order extra for what other people are needing. Yeah,

Daylene Long ([19:58](https://www.rev.com/transcript-editor/shared/D0QcNMloX_mVSBPNOafW1D4_hjbUAROFhxfQRO_qMbwQ6GMm3HDfFvDTAwNGdZr0SumTO7OSm_9YuJLVncZWKuZdzUg?loadFrom=DocumentDeeplink&ts=1198.56)):

That makes sense. Shoot, I had another thing in there I was thinking about, oh, I want to go back to the dissection thing again. You said that it was starting to decrease before covid as well. Can you give me an idea of what's going on with that? Yeah,

Joe Myers ([20:22](https://www.rev.com/transcript-editor/shared/KdSzqK_0jQTAzeCGxQapOcfRCIzZqQdPQstIFiossUYu3rC8f4sXLGo_edQAmMaHi9M3PwZAMw3WQVWxUE5CR6oOV8M?loadFrom=DocumentDeeplink&ts=1222.17)):

So wet labs, I mean since probably even before Covid in our biology department, we were not doing dissections at the high school level here. Dissections occur only in the anatomy physiology curriculum. So they usually are doing fetal pigs or cats sometimes.

Joe Myers ([20:51](https://www.rev.com/transcript-editor/shared/rr1fxo4UMNEoFRCT8B_4fq4ROapcMfvDCXz-xzjZeQ58gH78Y-qOuZlxdzDIbd0cB439zy65Y8GHpIgfdg4-roBTpTY?loadFrom=DocumentDeeplink&ts=1251.73)):

And honestly, I don't know who they order from now back in prior to Covid and our junior high department, which is in a separate building and is not really on the same, I don't know. They used to do just kind of a general dissection, the worms and the grasshoppers, and they used to do that, but I don't believe they're doing those anymore. Life science in our district only is occurring in fifth and sixth grade, and then it's not happening again until 10th grade. So I don't think they're doing dissections in seventh or eighth grade either.

Daylene Long ([21:43](https://www.rev.com/transcript-editor/shared/T3ltS9X1_dcK3ce5e7Nb7kxL_820gMcsJeivPvn8CYeHLxJaQxpu6G2fV3fRr0VAWj6cOHVxnsSfYqfH9KSgVRv3eY4?loadFrom=DocumentDeeplink&ts=1303.78)):

Is it being driven by digital replacements or by animal rights kinds of things?

Joe Myers ([21:52](https://www.rev.com/transcript-editor/shared/yAae9zNSAyzpqmxl1ieo-8D8eptL9dB66LHZH5HkS0KD-TJfZ1aKkx5KHSNyexCY0soBukIEGIKcCxwCBxM-JOzRAJs?loadFrom=DocumentDeeplink&ts=1312.51)):

Yeah, honestly, I think it was a lot of the design of the seventh and eighth grade courses was pushed by some state standards that are basically not, they're still there, they're just not being tested anymore. So they're not testing life science standards at the seventh and eighth grade level. And so they basically remove them from seventh and eighth grade. So they're really focused on physical chemistry, physical and then earth science. Earth science has been taken over the place of life science in seventh and eighth grade now. I don't know if that's across the state, but I feel like that kind of became the trend. They're just not testing life science at those grade levels anymore in Nebraska.

Daylene Long ([22:51](https://www.rev.com/transcript-editor/shared/QdVW1N8fHXrWzf4RC8A3JEjW2VhR252Sd88acKRtVJzvT0zgdgqtbkCrJBUyH0_SzyTagw0gbl8-PTllx2zHEL8XsAo?loadFrom=DocumentDeeplink&ts=1371.195)):

Okay. Is there anything that shifted in your standards that might be affecting that? I can't remember. When

Joe Myers ([23:02](https://www.rev.com/transcript-editor/shared/kd4idoOxsWbu4G4YZbrpgzeXdb1zJlWp0YAp7Rg2-2KRg43ZfOu7loQ2gAaMBJ93wbj2q6okjhyrsvpNBNvRleTQq_U?loadFrom=DocumentDeeplink&ts=1382.505)):

Did you

Daylene Long ([23:02](https://www.rev.com/transcript-editor/shared/i2mzv_b1mSwRVK-7mWUj4OGMDNjOhf_6pbwhYPDouD93d3Ry9PFk_JGQc8zSU2XOic8tpVHH1CotqdfLWb-a4eJoKao?loadFrom=DocumentDeeplink&ts=1382.8)):

Guys last adopt new standards in Nebraska?

Joe Myers ([23:05](https://www.rev.com/transcript-editor/shared/dbZg5EAvk4cLaH6s3EJrsxpEyWGnKJTbusxLDkm6FsdTEDpmeSxg0g-VJInuO35axBdEnheBXlSXQjNdwpW7U5u9DDI?loadFrom=DocumentDeeplink&ts=1385.53)):

Yeah, 2000 and man, it's been a while now,

Daylene Long ([23:12](https://www.rev.com/transcript-editor/shared/SBxA1KpBWBIDezQqW5_xKR1KG2oO1Il8k92hMdpn4-W3b_JTObGZLbtA53T6_sCqiLJ1YNTbk660qO7Xv_16OIlzvbE?loadFrom=DocumentDeeplink&ts=1392.64)):

I

Joe Myers ([23:12](https://www.rev.com/transcript-editor/shared/8r5s-8Wg0eq5PPf3YNaWLWZ1K6KqTeXw6mOkFEZZz_J65_zjrxGqPycONAOHpXnqrpsDjk-zhfq6p5QJ5O6l1SlM6CU?loadFrom=DocumentDeeplink&ts=1392.67)):

Think because we're just in a revision year this year. So in the state of Nebraska, which I'm not a very big part of, I was part of the original writing of the state standards, which they essentially piggybacked on the NGSS. They did not in Nebraska, we did not adopt NGSS. We adopted our own version of NGSS. Nebraska just likes to be different States like That. Well, and also they may not want to pay for it if they go all in on nng SS, they've probably felt like they had to pay to adopt some of the things rather than just creating it more on their own. But

Daylene Long ([23:55](https://www.rev.com/transcript-editor/shared/NftWpVMywNybfeQdycdBy31CZB2qfjotlxoT-DIARxtIXTc2JPZaDruo8SvZ7D6YSDxiVarBF0CFpaEUBO6ZDyB_8ik?loadFrom=DocumentDeeplink&ts=1435.935)):

Yeah. Interesting.

Joe Myers ([23:57](https://www.rev.com/transcript-editor/shared/ES7agBP-9IItkRPrh8grnQBJKFTrp15bADeE-rREFhC2DYTGo5zQ5B7i5Rpp_6-L_Qf9lkZ4omsdIjCDVMOX45hNyA4?loadFrom=DocumentDeeplink&ts=1437.975)):

Yeah, I'm not sure what was driving it, but we are aligned very closely with nng SS.

Daylene Long ([24:04](https://www.rev.com/transcript-editor/shared/AEpQiXX254sYEsackZDmY9OIOwJ9pEOWsqBa-5vEO9N2c032yapy-p17j3LpeiqW-JHaWZWNDpBevqhVj3sYaaevPlE?loadFrom=DocumentDeeplink&ts=1444.295)):

Okay. So where do you typically buy things if you have to buy, do you do biotech in any of your courses?

Joe Myers ([24:13](https://www.rev.com/transcript-editor/shared/a3aoOloB5kUksrw4OusPaozbSxQrCGCaByTMJEJel6w-fxhVH6Zsk8HHmvliLdlLW8hdML2OeKTW5fg0hzgZF0cdjOs?loadFrom=DocumentDeeplink&ts=1453.22)):

No.

Daylene Long ([24:14](https://www.rev.com/transcript-editor/shared/PU7TfEMO28UjqBc6HjWvGGIIEt-60Pb3qiQKrpV2vpg9YTC9FwugMZYqlD80FwTtctbhGma0h9jBYCJffwuEYJrZTJ8?loadFrom=DocumentDeeplink&ts=1454.09)):

Okay.

Joe Myers ([24:14](https://www.rev.com/transcript-editor/shared/urE2Y35uHI-E4fOiUlyrwaPvsY1hy8rvw4iVnysmto0pIhngwEpU1B1-H2mLIoAKQOX6P44EzFI38OuYPoEnWefmLSs?loadFrom=DocumentDeeplink&ts=1454.63)):

We're pretty low tech when it comes to especially genetics or biotech, any biotech. I've looked at a lot of things that are going on with the Bio-Rad offers, which I think would be great, but we just don't teach genetics at that level.

Daylene Long ([24:38](https://www.rev.com/transcript-editor/shared/Khyjv5p81lnbxQajDfXBF4IK7F5vsWJyDwVRs20YQs6sTV4J_DgocGliM_Nw8SACto70TWGCSrRrFag8Xlz45WhSa9M?loadFrom=DocumentDeeplink&ts=1478.21)):

We

Joe Myers ([24:38](https://www.rev.com/transcript-editor/shared/1-tC2gJgJfEMs04nresBPspaOlp1nKav6G2svRu_9a8M4aasdPQGIAyQFcBd_f_wCyWDAxh73cf8e90-87SwnTesL8E?loadFrom=DocumentDeeplink&ts=1478.3599999)):

Don't have advanced, we have AP biology, but we don't have advanced genetics or anything like that going on. Okay.

Daylene Long ([24:48](https://www.rev.com/transcript-editor/shared/pEH3SPpMM3-8h7CTWYtrzSZhwiwb_n-UX6OtNFFHcRO5xIlaN0xJLobwYd4VMWVgVmHsqrd6tcRg2AaLLdJ8WP_d7UU?loadFrom=DocumentDeeplink&ts=1488.32)):

Well that sounds good. Tell me a little bit about how budgeting works at your school. Do you have a department budget that the different classes split or how does it work?

Joe Myers ([25:02](https://www.rev.com/transcript-editor/shared/wIp0Xdk8GDEzLEu-mkP2N36QClOpN-AbW8iveNvw6KAqS-MiOzs8IHPp3X0QG5VrwNHhlOBF5KuYpc3nzLdYDuq6B3Y?loadFrom=DocumentDeeplink&ts=1502.33)):

You would think so I feel like our district funds us pretty well. I've never really been turned down except for maybe some really big purchases, but honestly, I don't even know what our high school science budget is. I don't know if anybody could tell me that If the money is there, they allow us to spend it.

Daylene Long ([25:31](https://www.rev.com/transcript-editor/shared/I2JV-R3-s35aARjmkHcoU8pVh51paPynR7KFh8_eh5CD1Natdn7RUoWdTZRnhNt3QHhP_lV_m74B-78BJrOB_es9wVE?loadFrom=DocumentDeeplink&ts=1531.73)):

If

Joe Myers ([25:31](https://www.rev.com/transcript-editor/shared/CLE306b1nCnPBdaM5OpW5Ywe9YD3oZBGNisjOEfsw0kQmv_L50hCN1I4jWe0m_9NQeu2wjvTcUnXvzaBvPyW-qcHh5Y?loadFrom=DocumentDeeplink&ts=1531.795)):

They don't have the money, then they'll just say we don't have the money for it. But I would say in the last, I mean 2009, I honestly wasn't teaching here, but I know that was a time when schools were saying no to lots of purchases. But since that time, I feel like we get what we asked for. Okay. So

Daylene Long ([25:54](https://www.rev.com/transcript-editor/shared/aIahFCLJ66u3LZj9pRiZfwfPj4jLoovRI6N5nKOkKq1PEkgcbRrCNrH9vH4DDqcB2Dy97awTlhrzyyRsj3xU7zHk3c8?loadFrom=DocumentDeeplink&ts=1554.02)):

If I'm hearing you correctly, you basically say, Hey, I need this and this and this, and they either go, is it your science department chair? Yeah,

Joe Myers ([26:03](https://www.rev.com/transcript-editor/shared/2ki5H35Uuouu0YF2-DlDBVxPLUn42p2LEZWPvNKj8pktf9KgP3PkkB_A8yiHfqoMOamRl9RiLxTkJ_a31-AwUvqcoqc?loadFrom=DocumentDeeplink&ts=1563.6199999)):

So we write purchase orders, our science department chair person or head signs off on it, and it goes off to our central office, and it has to be approved at that level as well. And it's pretty easy to get approval for smaller items like under $250, but over that it has to go, actually, now it has to be approved by our school board.

Daylene Long ([26:35](https://www.rev.com/transcript-editor/shared/gHzylvgstLqKjxNJp6z5y_cdoldLv4tdbeQ6u9fFzCIGtnUW7KONU5tKDcrmwM_6stYkued7y24XWuSkIMfvJlcp-q0?loadFrom=DocumentDeeplink&ts=1595.48)):

Anything over $250 has to be approved by your school board.

Joe Myers ([26:39](https://www.rev.com/transcript-editor/shared/wPK6MKKUA2lcpYJiZkFj1BEB3D9C6VxbbGZfoVFX-eqgwLrcAUCf6WVPimSaKngLoLvBswdMFxfUqVT0DMe__XhcPKI?loadFrom=DocumentDeeplink&ts=1599.17)):

Somebody has to sign off on it, which usually doesn't take long, but So

Daylene Long ([26:42](https://www.rev.com/transcript-editor/shared/iHeAZbG_E3kLxpSx87YxrItUUpnlym5x4RazXgNBumQRmBmHDGReNSa-PqfUCvnFP70bRLEKrEaORJ5gr-ulEMe99uw?loadFrom=DocumentDeeplink&ts=1602.65)):

You're not going to be getting a microscope or a CO2 sensor without going through a school board type of Thing?

Joe Myers ([26:48](https://www.rev.com/transcript-editor/shared/Z383jisEusBi2AZDM9Z-qbA91czClMJHNKxMteaudhy_cUgTMF0NR3gVgNR3nIwyBJyheQkFsVlqPHp1D31S1T3UpgA?loadFrom=DocumentDeeplink&ts=1608.93)):

Exactly. So actually a lot of our science, our larger dollar monies, our larger purchases in the last probably seven years or so have been through keno money. So in Nebraska we have keno, which I don't play, so I don't really understand. I mean, it's people go and gamble, I guess. And then a lot of that, those funds by state law have to be directed towards education. So we have keno in town, and then they basically provide scholarship, not scholarship money. It's a grant of some kind. And so we get, I would say our department usually gets about $5,000 of keno money every year. That's what we use to buy microscopes, those larger dollar items.

Daylene Long ([27:59](https://www.rev.com/transcript-editor/shared/TCx6cGBSgB2ZWGjVQWoZUacEgnJpKZy4VHtE1ONnTwAlwjmoUIIP7i6gh9cP4vkOynrNsAsLxRh4BVEXheJdx3cMweM?loadFrom=DocumentDeeplink&ts=1679.46)):

It's an interesting use of funding. Anyway, I won't get into my personal opinions on that, but I've got just two more main questions for you and then I'll bring Kim in to ask questions that she might have. In terms of vendors that you trust that you find are reliable, who kind of ranks up there for you and what does that mean that a vendor is trustworthy?

Joe Myers ([28:31](https://www.rev.com/transcript-editor/shared/5LpHRRwYFMTL0yogPds8nnsI4HpaafYDoylpe1ZO1SgnfZt61sQaaCXQuxvbNiHbZ1xYMT7uxP4tDwq9qE1L7hPdomM?loadFrom=DocumentDeeplink&ts=1711.56)):

I mean, usually the ones that I showed you that we've been using, again, Flynn Carolina, to me, those are just ones that if they have it in, whether it's online or whether it's in their catalog, if you order it, then you're going to get it to me. I mean, obviously pretty important. I know our teacher, the teachers in our department and the anatomy physiology courses, she was very worried about being able to get specimens. I think that's probably their expensive items. She was worried that they were not going to get those in time for actually doing the dissections when they're actually supposed to. But yeah, I think to me, that's what it means if you get on the phone with them and they say they have it. Yeah. Have you

Daylene Long ([29:29](https://www.rev.com/transcript-editor/shared/BsfAphTQ5wGwcJInDFm1_E4ZMPktpv0RJNvUASEg51DOsrkSh0u6gjxVEUXl6khQAuYq1DYcbjLZiObrruL6s5131yU?loadFrom=DocumentDeeplink&ts=1769.82)):

Ever had any disasters happen where something just went terribly wrong with an order?

Joe Myers ([29:36](https://www.rev.com/transcript-editor/shared/y-T-yilj7BRsdh87iKwtslSMcwPty5VMaaw0z1-i7QHknrWKPN27K15QPdU8hA61PYJW84oQzQErEpMDNZiGLXX1NaI?loadFrom=DocumentDeeplink&ts=1776.72)):

Honestly, not really. But again, we're not ordering, I guess we don't get too crazy. We're a little adventurous, but not too crazy with what we're asking our kids to do as far as activities and hands-on experiments and stuff like that.

Daylene Long ([29:55](https://www.rev.com/transcript-editor/shared/cBZYDH0FASWPFK1fBz1L1JMLrbBkfZVSuG9yM_8IsR-NmkxAd7bUk2Ui8BVAaxmV-wQevi-FvxIv5Qh5pzhZNrNft6U?loadFrom=DocumentDeeplink&ts=1795.84)):

That sounds good. And

Joe Myers ([29:57](https://www.rev.com/transcript-editor/shared/qkzjrE4zLDSaFVu-159Ngo6As9jlNc3XSWvA_BZE7O_D6wSWnzqoxAeq8zh0UiKthJ7hHJEvKate2Ka_22bLdqK7uI8?loadFrom=DocumentDeeplink&ts=1797.37)):

I'm only teaching just a really general biology course, so it's pretty general.

Daylene Long ([30:03](https://www.rev.com/transcript-editor/shared/24FeAxJR-LlMVrvLPuTdRH0_fLnIB4W-20RYD9c_UY17WzR3H1ndx2ZpCJ0dVDeQxybUWZpZP2RBgm9kmIFdFGj32cY?loadFrom=DocumentDeeplink&ts=1803.16)):

Okay. I'm going to ask one more question, Kim, and then you can fire away. So this is really your opportunity, Joe, to talk directly to product developers, to CEOs of hands-on science education companies because they want to know what's working and what's not working and what they can do to better support teachers and students and science learning. So If you're looking out into the future, what are the most important things to you? What would you like to see happen in science education?

Joe Myers ([30:43](https://www.rev.com/transcript-editor/shared/Qo3h1KbQDmmYPlx-MSxlKrTkjrCkSzr63CS3Rd1Gij5ImuI7IOVRAl5NwXamdC5XiTY_7qJHckFQAArgyzQvuHjPdOI?loadFrom=DocumentDeeplink&ts=1843.42)):

I know that the trend, especially since covid has been to create loads of digital interactive things, but it's sort of like in the adult world, people are really craving and really paying premium for hands-on and real life experiences. And I think honestly, if science really wants to reengage students, again, it needs to at least be blended so kids are not in front of a screen all the time. They really enjoy the days where we can just not even turn the screen on. It's not easy for the kids to not have the screen in front of 'em, but they actually really enjoy those days, and I think that's when real authentic learning can take place.

Daylene Long ([31:38](https://www.rev.com/transcript-editor/shared/pmtl4ROo1OxckX30nY9AVWDTPOct0MKw1tUHhwiah3ISek6cdNIJ8ZbLiKYwIEF5kr0vrpFZB5YQL3DudBhwUD_-jBk?loadFrom=DocumentDeeplink&ts=1898.77)):

Well, so that's another question then is do you ever feel like you're competing with the student's phone? Oh,

Joe Myers ([31:46](https://www.rev.com/transcript-editor/shared/0QsgKRzf8YRcxWPHUMxIv7wnUJ4JQF047yfNbG2CTk5O5dtkfo2EG0UULJ3QJTSRLn3I2mrsRtvdblubF-fGAOqypyM?loadFrom=DocumentDeeplink&ts=1906.395)):

Absolutely. Yeah. And I'm not anti-technology, just lots of teachers, but until we and the science people and the companies kind of develop a way to either integrate the phone into how we are teaching it, then you're going to see more and more schools. One of the biggest districts here in Nebraska at the high school level, well pretty much K 12 has just banned cell phones from the classroom. Our school board is probably moving towards that as well, where just the cell phones are just, they're either stuck up on the teacher's door or they're just not in the classroom at all, which I don't know, is that really the right answer? I mean, kids, the phones are just really great tools for figuring things out and finding information and collaborating and all of that. But also, it's really hard for teachers to compete with TikTok and games and social media and just kids wanting to interact with their friends that aren't in the classroom.

Daylene Long ([32:56](https://www.rev.com/transcript-editor/shared/dQ038UPN39rxraZvjRboYMx9CddqeDYY_yZ6T3pwPTdcR7iL8Yz9CdpFldIMqIMDR3T8HKGwBI5UszX5YJc16n6wx48?loadFrom=DocumentDeeplink&ts=1976.39)):

Yeah, that makes sense.

Joe Myers ([32:58](https://www.rev.com/transcript-editor/shared/Sbxrlyutqtjx1MwLD4FdTgCXEZIsrL3gzLhtgHJGKJWvRq9yUwNEhzJMw27FHwupf-2vOCnlOon0ehd6y5_5VLfUmnM?loadFrom=DocumentDeeplink&ts=1978.79)):

So yeah, I mean, I think we need to find ways to make it more authentic, which isn't easy and it's not cheap, but we're finding that if our kids are building models, even if they're just building a simple DNA model out of beads and pipe cleaners, they just don't have the tactile skills to build things. So how are they going to go out into the workforce and manipulate real life things if they can't, even if they haven't had any practice with doing things, Things.

Daylene Long ([33:37](https://www.rev.com/transcript-editor/shared/77D4ojHE7Us-4L7NUFpnrOU8oo0iRnFOkYbwaD1YhNAlGKbgt0si95L5YF_GciGeka4VFJQtTj5tETB7gAQI6UaAajY?loadFrom=DocumentDeeplink&ts=2017.09)):

Yeah, that makes sense.

Joe Myers ([33:39](https://www.rev.com/transcript-editor/shared/e4W-eTq5o9oEQGa0KIAfOEIy0UnrgUh88aCU2qrkPt40axwSySY6jnfwYSdt0IroqYL4Ie7cdGfl07YcdFMSFCoy2Ds?loadFrom=DocumentDeeplink&ts=2019.5)):

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Daylene Long ([33:39](https://www.rev.com/transcript-editor/shared/wXbQaF3IukGumHV28pNBJ_bnVOeDnq0yfIsN6B6NyDy49IYNMCtJCcdsH_mW565Rxg9wNvNoeRNuLigX8aoH11W9XCY?loadFrom=DocumentDeeplink&ts=2019.62)):

Want to check in with Kim and see if she has any questions for you.

Kimberly Herder ([33:44](https://www.rev.com/transcript-editor/shared/9XL2QZVBg3ZV3Zn1RN8dw0QoGwKSc1Ymtzm1iw-R9XPKxYnt6Myo2oevaGJToPVh62rfrzpf5dJseblHCLbGfyXgEUA?loadFrom=DocumentDeeplink&ts=2024.12)):

I do have one. I was wondering about scaffolding within your classroom. Yeah. What do you do or do you feel like you have a broad range of learners, or how do you work with that?

Joe Myers ([33:58](https://www.rev.com/transcript-editor/shared/2K4Cc7XAiEELq6hRxBhYeQTo2QJRp1uu2vYN-yWhzMOzSBrnswQdu7mmoxpsmMfyGaEWf6nZnnpuykAblqr6Y8ndeB8?loadFrom=DocumentDeeplink&ts=2038.64)):

Yeah, our district is rural. We're considered rural. We're about two hours away from Omaha and Lincoln in that area. But we have a very diverse population. I have growing number of students who don't speak English. We do our best to scaffold, to provide a variety of different kind of levels within, but it's definitely very, very challenging. I would say that more and more students are arriving at the high school level who are not at grade level, not doing grade level work. I feel like the things that the textbook, the online tools that came with our curriculum that we purchased are potentially very useful, but it's sort of figuring out how do we have the students, how do we give them the time that they need to basically use those tools that are available? You know what I mean?

Joe Myers ([35:15](https://www.rev.com/transcript-editor/shared/rbP-aAdjJEnO3yuBCbtk72bwnHLX0Sl5ATpVLw4vjumOmZPRri9iB1luTwtjUJN4s-ZjLL49bEUOvgKiJITJiTHpsis?loadFrom=DocumentDeeplink&ts=2115.2)):

And then because we're being required to do, we're trying to assess everybody using a standardized assessment tool. So all of my students are either getting the actual test or they're getting an accommodated test, but they're testing basically more or less at the same level. So that part is pretty challenging. And honestly, I feel like we almost need to move to having a very entry level biology course and then basically a general biology course because our students are just really, a lot of our students are struggling to basically meet the standard that our curriculum is being taught at. And I would say that it's not being taught at a very high level. It's over the 13 years that I've been teaching here, we've had to kind of reduce that down and down. And one of the things is, I mentioned earlier, our seventh and eighth grade is not even teaching any life science since four years ago. So now our students have a really big gap because they haven't had any life science since sixth grade, so they're going from sixth grade to 10th grade and no life science. So there's no wrapping around on those big ideas even.

Joe Myers ([36:49](https://www.rev.com/transcript-editor/shared/0rQwFUOjVDLbNuH-5i-0qCpiEnpH-eYHH2klx0iQ35TZN9AViuvJrhFVVaDtUuzx43mz75125tidpFQNG-1rfjDpT1M?loadFrom=DocumentDeeplink&ts=2209.35)):

Yeah.

Daylene Long ([36:50](https://www.rev.com/transcript-editor/shared/1zRHfZpTqP6qkm7HhuLzarsKyWVh2W6ijhY28PCLWdR-SEbt-LNtpUjY_dvgjIWdBCtytkSb83s8Ftd1mimKAn5YPWQ?loadFrom=DocumentDeeplink&ts=2210.28)):

Interesting. Well, I want to make sure we get you out of here on time, and I know Kim's got some follow up up pieces for you.

Kimberly Herder ([36:59](https://www.rev.com/transcript-editor/shared/GiCp64MTn1oiEJK4vQguES68Z2QTsiEIDrEgDMdRzhK5Y-9BD0RTpBw0KIUimNRzbiaAg0v-l5EulWooEBjkSw6Nsg8?loadFrom=DocumentDeeplink&ts=2219.25)):

Well, this afternoon or tonight or tomorrow morning, you'll be getting a thank you email from me. But first, just thank you. Thank you for what you're doing. Thank you for the challenges that you're addressing and doing it with enthusiasm. And actually it comes, I don't know if you like the word, but it comes across as grace that you are looking at your students with a heart, I guess. So I want to thank you for doing that. And coaching. And coaching too. My kids were soccer players.

Joe Myers ([37:33](https://www.rev.com/transcript-editor/shared/1bFYGt8PJguvc84ms4-WjF6panKOcg_uxR2Nd46MnKBXK3F3lNkVigg-YI987-6aVExSFkbruztwbtC1cVESCY4AzCE?loadFrom=DocumentDeeplink&ts=2253.33)):

My high school season starts up here in end of February, so

Daylene Long ([37:37](https://www.rev.com/transcript-editor/shared/msNCIOK9H50scIR7BNm-0fjAGUGHv8nprdz7p-NpjfG2Az3N0Ww3J3gh-X-aaUX67cfP75FjteEzxZw06sf6k3k_4tI?loadFrom=DocumentDeeplink&ts=2257.86)):

Got to get them Ready.

Joe Myers ([37:38](https://www.rev.com/transcript-editor/shared/vIC0m-UEBlB1kStSMC6G2ajbZ4M2bGy7_e4R-B9_Hy5qJ2wkghsfpuHNJY3Jg1WP1p4lr9I2wnQEbSUdsXPdh0Ou0yo?loadFrom=DocumentDeeplink&ts=2258.85)):

Hopefully the snow will be gone by then.

Kimberly Herder ([37:40](https://www.rev.com/transcript-editor/shared/M1SKUVA9Q76Pcm05Juj4kU4ejy3ElnR3l5U-76593zOZe-i7uyyZVkDRKf0ILhM5mD9ASkbaJXqkUcqoJ4eydG_Jt_k?loadFrom=DocumentDeeplink&ts=2260.98)):

Yeah, yeah. I hope so too. And in this email, I'll ask two things. One, if you would be interested in being a part of something like this, again, we work with different clients that are looking at different things. If you would be interested in being a part of something in the future, let me know

Joe Myers ([38:00](https://www.rev.com/transcript-editor/shared/F7SfGdGmtaJw6KB2DJLfvySm8PL7DvWc4ns-5ouU396n9j96LECKIFCXCdwO7cjKGJzO_dzZj8nZnq4SDUfGeplT1Sc?loadFrom=DocumentDeeplink&ts=2280.42)):

On

Kimberly Herder ([38:00](https://www.rev.com/transcript-editor/shared/1ApX7wuHOuq-GvMyUutq9Rtv37Qyde8MjPySLMTh1FPSoqRUu5pjeHbdYD7xJlBS46Ml-tFIaDQaEurm8XwSucFMU9k?loadFrom=DocumentDeeplink&ts=2280.57)):

That email. And then also in the email, we'll have Daylene LinkedIn account and different ways that we would like to keep connected with you. Yeah,

Joe Myers ([38:11](https://www.rev.com/transcript-editor/shared/aOaUCF1TEZHKzE7377U-MOXjcJrbsIEYy9pXWxnRLm8pKbnLeu_x6O8Y4KVV5BU846G1n0VN0ko1OqdTuFgKW5tFq7s?loadFrom=DocumentDeeplink&ts=2291.64)):

Absolutely. I'm a past president of the Nebraska. We have a science teachers association here in Nebraska, which when I got really engaged in coaching, I kind of didn't have time for anymore. But I'm still a strong proponent of that association. And if you're ever needing to connect with a larger group of teachers in Nebraska that is a really good organization that reaches out, they can reach out statewide to lots of other teachers, more diverse teachers than myself.

Daylene Long ([38:46](https://www.rev.com/transcript-editor/shared/dn-ChNaTWW6Ay3R-PoJFBQIWV2trZ9wiSBhwwQOGM1UKJB04lTlNVh4DMpsrf2V3Cllwa7Vm-srzF3ST5AwX5IHCV7Q?loadFrom=DocumentDeeplink&ts=2326.7199999)):

I might Hold you to that. Thank

Kimberly Herder ([38:50](https://www.rev.com/transcript-editor/shared/O_ZBgSlhQtFuOb9NCC4JSPtc6wLSL_E0Bw-i8cTEOf3VEsjLVEo_55r9D8Zzd5kChKUkHVtjrG2ovEgDx35e5BScDSw?loadFrom=DocumentDeeplink&ts=2330.2)):

You. Thank You. You're

Daylene Long ([38:51](https://www.rev.com/transcript-editor/shared/dvw7pF6PsnkZ3j59N6SF48I7Nj3TAhWELPA4bR20yjV7MLCRpmb_ige-l06E0A8_Kup6lW6JcuVn6O6bS4LYUGXXhxs?loadFrom=DocumentDeeplink&ts=2331.34)):

Helpful. Do you know by chance He's retired now, but Jim Woodland was the Jim. Jim is actually, we call him my brother-in-Law Squared because he's my husband's wife's husband's brother. So we got to know each other through some of the science work we were doing together.

Joe Myers ([39:19](https://www.rev.com/transcript-editor/shared/-tyIpzFI2VatdrFrpe44vC1KzsZZWormYbMqEtGITAdod0SmOtHlHFbpt_iKqVHLod0RfzYniN8a0QwijnNjNCYO08g?loadFrom=DocumentDeeplink&ts=2359.915)):

He was a big part of my first experience teaching in Nebraska prior to this. I've been teaching out of state and overseas even so. So when I came to Nebraska, he was at a lot of the workshops and things that I was part of.

Daylene Long ([39:39](https://www.rev.com/transcript-editor/shared/nMBzxLwJarzRg7OV3L3wI3Ek_oOF4zF_N4XHK17aly5fBMD-DDhYXK2Cfp-ORZBoLASRBoxAvO_CTX_L0tQ0-vnY0IE?loadFrom=DocumentDeeplink&ts=2379.34)):

So you will also get later this evening, I usually batch all of the gift certificates at the end of the day. So I will get your gift certificate at the end of today. And what else was I going to say? Oh, and definitely thank you for all that you're doing for students and for science education. We know it takes a lot of dedication and that you're probably being asked to do more every year with less. So I want to say thank you for that.

Joe Myers ([40:11](https://www.rev.com/transcript-editor/shared/l5TVVHfRH1XnQoqnrX1k9no0onkpi9A-p15B14VPcta4m5a0999cNoI3q2P1b2GUHCteU2Hnt6mJO3vm7YA4vLTUuDI?loadFrom=DocumentDeeplink&ts=2411.77)):

Oh, you're welcome. Yeah. And thank you for being part of just supporting everything at all levels. I feel like we don't get a lot of chances to share our experiences, so Yeah. Well,

Daylene Long ([40:29](https://www.rev.com/transcript-editor/shared/NO4gQEzZrXH066EsMlwV0y4mAaacYVyITo0L0i9Qoaq5w42yTcZFfzd8tOg4f6oGtpRR_F1Rl6isby6t8fCLNPMcus0?loadFrom=DocumentDeeplink&ts=2429.995)):

We're trying to change that. We're trying to,

Joe Myers ([40:32](https://www.rev.com/transcript-editor/shared/KVYvQCHZwnQEoBw-a9ti5uuO4ahNdJXTyddFB5snqMNuM52KgrfjAwxPCRHueDkGTIgtdp72izMPdvwXh7ml1miPPF0?loadFrom=DocumentDeeplink&ts=2432.335)):

Yeah, we're concerned about bringing teachers in. We're down a science teacher and we just can't find anybody to interview. It's really tough.

Daylene Long ([40:45](https://www.rev.com/transcript-editor/shared/-lNAHfZfsFVP1uPWpfunOq7ns08FAmVsOZNu8vSY1o_ANK5GcFMxppfBLFC7iHSHcT8rniOvSqgaObiu-i9q_nFnCWk?loadFrom=DocumentDeeplink&ts=2445.04)):

That is something I can tell you Kim and I have consistently heard over the past month or so. So you're not alone.

Joe Myers ([40:53](https://www.rev.com/transcript-editor/shared/p_kWTjz53okZKOtYCLjFcBej-rAC2AFmmdGGrg9wfTIw3N8OCWPnzud6lu2-pYF0lGkhKb_2mBYbQc5uzoAAXJGASdI?loadFrom=DocumentDeeplink&ts=2453.92)):

Well,

Daylene Long ([40:54](https://www.rev.com/transcript-editor/shared/jFxQuXPrBO-wb20mTUPUeohhIz7di_SUYjn0y95vK3-R3Tl-Z657YxjTzEBwtHqmgr3hapBRUaUwXkTJDQ2jgOUY30c?loadFrom=DocumentDeeplink&ts=2454.19)):

Thank you again. Feel free to reach out at any time. You're part of our community now, so

Joe Myers ([40:59](https://www.rev.com/transcript-editor/shared/2JbQ6HDkR0-DdExaeJX4aKsIxGsSze_Al2Z7uxzRmQeFlfb2t6E5gOS9Zt6v9d7VxuYkNBbSVeH7O_bdP0lQaTi6aPo?loadFrom=DocumentDeeplink&ts=2459.44)):

Awesome. Yeah, appreciate it and very nice meeting both of you.

Daylene Long ([41:02](https://www.rev.com/transcript-editor/shared/7j1YPxhhM-2bp5vWPSQps_sipPSI6wzo25bqUUrF-ygNV5_HV98Myay5ecSn3oU2q65FFc3yjIQwg5W8VL0se0B9ORs?loadFrom=DocumentDeeplink&ts=2462.56)):

Nice meeting you too. Bye-Bye. Okay,

Joe Myers ([41:04](https://www.rev.com/transcript-editor/shared/vYvEjet-LmZiOpE1gy-ttg5K8AXlM2_qble7AGgZT3LLpoadEEXSqkVCLDQbaODwE5Nu1RFgw8ldQL02Muh13ax0ivU?loadFrom=DocumentDeeplink&ts=2464.69)):

Bye.