Daylene Long ([00:04](https://www.rev.com/transcript-editor/shared/oQMgJIOZ4_G-_-CBktPcszJsuUF1iV8bbC7cUdCD16wF0zp33TkeJ1IhNSng9f_KEii_SneuGXByGls3SFV0sz8ULqU?loadFrom=DocumentDeeplink&ts=4.17)):

Okay, Kim, tell us about our interview that we have coming up.

Kim Herder ([00:10](https://www.rev.com/transcript-editor/shared/8_F0g7VYBT7cD8R4IsA37bFfolj__VDVf6mLBYoHa3o-2RB1hKpBW3EbhCPfMRfKwo5IJYf-Rgm-wuQiIopL7GetTy8?loadFrom=DocumentDeeplink&ts=10.41)):

Reade Brooke or Burke, I believe it's said. She is a high school teacher of AP Environmental Science and Honors Biology in Richmond, Texas, which is just outside of Houston. She's down as both Finn and Carolina loyalist when we can find out. She's been teaching, it looks like she's been teaching there four years, but she may have been teaching nine altogether. What's come up in her little bio? Part of it is that it's a bilingual, quite a bit of the school is bilingual and assessments are really important for what they're doing. School-wide right now they're on an improvement

Daylene Long ([01:04](https://www.rev.com/transcript-editor/shared/QIam5HbZpWSqycDevUz59B0ADDUHDJBvortozWrdOOLWVL69MpngC5BlbxwbaeiI8L0CkhaiaVXE6NwdE36pe-PSF80?loadFrom=DocumentDeeplink&ts=64.23)):

And she's ready to join us.

Kim Herder ([01:05](https://www.rev.com/transcript-editor/shared/PjpO5hVuPDfgFWugLgXO5GBibiuSVDbeYUnAYjb6VZd4-0hH7EKXqDGK6isjLsh2ByvVHhiRdxtnvm0ZEu6TRAnnF5s?loadFrom=DocumentDeeplink&ts=65.76)):

Okay. Hi. Oh, hi. Hi. Oh.

Daylene Long ([01:39](https://www.rev.com/transcript-editor/shared/wxs-u6Be2sSraJInEHlA0mlKTqS0jKEzYxPCAoggsokfKd323_5Vk_pugV1eqrtfs6CwCKYMJjqbUS3_nm4LFAkfisU?loadFrom=DocumentDeeplink&ts=99.36)):

Oh. Did you freeze? Oh, there we go.

Kim Herder ([01:44](https://www.rev.com/transcript-editor/shared/Ee58xVYpzprN2930eXxN9kREzA1ZpBMObNxmuMtvRBfX9lVfTKSzAFFI_j2ZoqEXXuR5d-dsAQati1ZMruEB9DSViIc?loadFrom=DocumentDeeplink&ts=104.25)):

There we go.

Daylene Long ([01:46](https://www.rev.com/transcript-editor/shared/8IGX_tn1iUfc3afZ46SiIjcuwkVEYemNGCh6J4VXeMM__JOGYTK0mauBv0RZpCosgpFZV9hCLiLeyoPZ2WAYgeRCFEc?loadFrom=DocumentDeeplink&ts=106.17)):

Okay. You've got a good connection.

Reade Burke ([01:49](https://www.rev.com/transcript-editor/shared/QDzBjsPR-TU3mXrZ8tY0C7rTJduFnjrpFx1iy7Ggq45xbIK5JJTrjI6IjQEimqTqBF4F3gmbe3e1oe3mrLOzLLMDjJ0?loadFrom=DocumentDeeplink&ts=109.89)):

Yes, ma'am.

Daylene Long ([01:50](https://www.rev.com/transcript-editor/shared/op9m4s2Y3Ah8-tpbiaqgtVy05JkDZulW5boLVHVf9r7zOCeaoZhCrhzUuSgYy7nnLDwSMI0nwvdyPvlehq_nPLWZlCQ?loadFrom=DocumentDeeplink&ts=110.97)):

Good. Okay. Kim, you want to start us off?

Kim Herder ([01:55](https://www.rev.com/transcript-editor/shared/2U7UGLEe9BYQvOkG-SqCO9tGkGo33nxKGi7Rar4KKsf9Rmi_0HQh1iXZFBqJ2me7eNjcepzVAsdEQS4Ir1nuXm4syj4?loadFrom=DocumentDeeplink&ts=115.38)):

Yeah, sure. It's Reid Burke. Is that what you say your name? Yes. Okay. Well, I'm Kim Herder and I'm with Daylene Long.

Daylene Long ([02:03](https://www.rev.com/transcript-editor/shared/7yWmCPobnR_x5YxiZmKFRptMqDyO22f9R6Hd5HXcivo8DKngw68a89Syg9IMyYUPlh8Ujdu3GLIs3YPBBBqyfyk7axE?loadFrom=DocumentDeeplink&ts=123.84)):

I got to get my name right there, Kim.

Kim Herder ([02:05](https://www.rev.com/transcript-editor/shared/W4CmHe3TU-CB-bKqI4snG52LT-aPqgsDI4rkLtI0WPumEByeUEAaThdjKwbjNI-LE22BkGmX52weJOy-rC7zX5HTeAQ?loadFrom=DocumentDeeplink&ts=125.34)):

I say yeah. Okay. But I've got my tea and my Christmas cup, so hopefully that will help. So thank you for agreeing to do the interview. So it is life sciences and from what we understand that you're a AP environmental science and teacher, and so Daylene is going to conduct the survey. I will step off screen and handle the technical part of it. And also if there's something we need to dive a little deeper in, I'll kind of pop back on so we can kind of just jump right into it. I'd love for you to take just a minute and tell us a little bit about you and your school.

Reade Burke ([02:54](https://www.rev.com/transcript-editor/shared/yJ3dNr2AoUSV6juofdVdjasEIUcH7I61IGXiQ_mnmPl6arUrAfjgiyKSB55lZaM3uEFUe7EA4nAmk4XfJkopdUjcho0?loadFrom=DocumentDeeplink&ts=174.96)):

So I teach in the Metropolitan Houston area. We're a six a campus, so we're huge. I teach actually three different classes, two science, so AP environmental Science, and then I teach an accelerated freshman biology class. So we call it a C on our campus, but it's the accelerated level. And then I actually teach academic decathlon as well, but not a science class.

Daylene Long ([03:16](https://www.rev.com/transcript-editor/shared/ZeRx_va61f7tMk2dIEhtcrGRN-OogDA0fJJVxkQDXKyKb_a8zVCeihr0lnu3ittXWcqGJiLc2pRu7AVSCxHrjtt4fCU?loadFrom=DocumentDeeplink&ts=196.42)):

Wow. What is Academic Decathlon?

Reade Burke ([03:19](https://www.rev.com/transcript-editor/shared/dEuMj7U4sQJgtWxjNFY5KQoRNv9-PbrtjXrd5d-0FP4MWhAI1a_EU_J58hCrlgIb4OvteU-YR6m0dVp3ACVI4U_YjKU?loadFrom=DocumentDeeplink&ts=199.17)):

It's a national competition, so it has 10 different subject areas and then every year there's an evolving theme. So this year's theme is about humanity and technology. Today's actually our big competition, so I'll be headed there next. But students self-study with guidance to kind of explain humanity and technology and how that changed throughout the information age this year and the development of computers. So a little bit of how the mathematics of computer coding developed and the history of computers and how it developed from a hand image into the modern day computers we had, but also things like sci-fi, music, the basics of composition. So it's a complete integration of the 10 different subject areas. It's a real challenge for them.

Daylene Long ([04:03](https://www.rev.com/transcript-editor/shared/XcHye4y4lKAPx8zCk324UGkt100oJEZQq-SCh7QL_7jl2-98r8FqX35UImNKnjePpS87EteNZstr4pSPfP3cCM1_oE0?loadFrom=DocumentDeeplink&ts=243.76)):

It sounds like it. But also a really good exercise in critical thinking and in addressing issues that these kids are going to need to be able to think about for the rest of their lives, honestly, because just going to keep continuing to change the way the world works. So that sounds fascinating.

Reade Burke ([04:26](https://www.rev.com/transcript-editor/shared/LlOAMzVQUu2EfG8hIdzlw4HCmvqy_hM8QTQWUltunwblxF00_NgWc4mwJRzV5nv0mNTOyElC1k6Odn-L_hYSgA1eGno?loadFrom=DocumentDeeplink&ts=266.89)):

Yeah, it's really cool.

Daylene Long ([04:28](https://www.rev.com/transcript-editor/shared/pfersBXq3AGWYSNW7gyr5lQDdX8p-pNF7g19hUro5e1BHwx5NTiLbM4qlExF15yPRDRWRxk6E-f_rwqfJexo4fwm_hE?loadFrom=DocumentDeeplink&ts=268.12)):

Yeah, just a couple of things. We are recording. I promise you won't end up on YouTube or America's Funniest videos or anything like that. It's just for note taking since we're doing 24 interviews and I want to make sure that I don't get anything messed up and that I've got all the details. Right. Let's see. So you're going to see us ask a lot of what and why questions. We really want to get an overview picture of how we can make life science materials, the buying process, the things that come with it better for teachers and better for students. So that's kind of what we're focused on and there's no right or wrong answers. And it helps some people if they think of it as we're like Kim and I are filming a documentary on the different products that you use and why you decided to go with those and what you like and what you wish you had. And so it's also a good time for you to just kind of directly give us feedback according to what it is you'd like to see. Any questions before I start?

Reade Burke ([05:53](https://www.rev.com/transcript-editor/shared/4Ty8lTICsO3mU21L9oDWH-la3TveQrNBoWhf0vIWSqdex9B7pM5JAVynicoijYeswJRA-TTTL6TO5A--8VYzo50831c?loadFrom=DocumentDeeplink&ts=353.47)):

No ma'am.

Daylene Long ([05:54](https://www.rev.com/transcript-editor/shared/QvGmANs4J4to8QMl3o0FUxvkTSJ7uvXsSDI_QlsyFqu2VexQo_JH4cN2BpQ0Br8tib1iOFqojmUdjJUTP3BtsJuxh6M?loadFrom=DocumentDeeplink&ts=354.34)):

Okay. So you mentioned in your survey that you recently bought some life science materials. And tell me a little bit about that. What did the process look like? Deciding what you needed?

Reade Burke ([06:11](https://www.rev.com/transcript-editor/shared/sbGES3GhPu6gyFCOo5S9qToYPhzW3ZreL-tueJatcb7YHSS9sCO_sC-fCrALUs6H1akxDGskby8i-hgjSTPZUyP0Urw?loadFrom=DocumentDeeplink&ts=371.69)):

For my two different science courses at the beginning of the year, I'm in charge of my independent course and also our a c biology team. So I did some team ordering for AP environmental Science. They actually have done kind of a course redesign. So there were nine new labs in the last year and I've ordered new supplies for those. And then the last two weeks, college board released new labs for those as well. So now we're up to 30, which is a mess.

Daylene Long ([06:41](https://www.rev.com/transcript-editor/shared/PLIq8bv3RRvEFGml63F4lEAzCUdunGCMoDQuHAJ-r5-bMTqQzwJw0T_GxG2FDId8j-OTmKeEmC8zBn0ROSfQR0z16gE?loadFrom=DocumentDeeplink&ts=401)):

That's a lot of labs,

Reade Burke ([06:43](https://www.rev.com/transcript-editor/shared/s2C9VR7vmaOvJsLg8B0ht3pQTyiHw0oJIj3xGe1GL_188mXuetnOaQuDsuYLY2PPBYLhII2AqBA5XOSXsnslCnv7wFc?loadFrom=DocumentDeeplink&ts=403.61)):

But it's an important way to make sure students have lab skills. They can independently go through and conduct a procedure, which is very difficult for these iPad kids. If you don't do 1, 2, 3 hands-on, they don't know how to do it. And that's something I thought they would be very self-guided in and they're worse than the students I saw five years ago. And so that's something we've taken a campus approach. We need more labs, they need more experience with this because I feel that our students are very interested in technical fields, so we want more exposure and they're great with hands-on things. So for environmental science, I actually want a grant. And that's something we ordered. We did some lab quests. I don't know if you're familiar with those.

Daylene Long ([07:25](https://www.rev.com/transcript-editor/shared/xSFjrHjIzON1iTC4hWp1yl9wbZcrdR0peAeEijYdDo6etzZYVhQONvT1t8HBmgu4xyeYjgv9sX8jLkmYojOkj90VxmY?loadFrom=DocumentDeeplink&ts=445.91)):

I've heard of them, yes.

Reade Burke ([07:28](https://www.rev.com/transcript-editor/shared/9zfoQX-bcSqHpxy-nkFMiRFtMriYmCb5S3lBC4w5hIyCKvGx6AhSiadVQ_tocMQlhRSMZK5jxQOdm1JKFbNG8EuQU5Y?loadFrom=DocumentDeeplink&ts=448.43)):

And so they plug into some probes that we had on campus. So we did some ordering of those. We bought with budget some additional units for our campus. And then we bought probes to replace the existing ones on campus. I have one right here. Some of the previous teachers didn't know these have to be stored in water or they cracked, we had to buy new ones. So I'm going through, again, very large campus, we've got a couple hundred of these and they have to be independently tested and then we have to figure out, okay, well what's a good class set size and go through and go through our inventory. And I mean, they're not overly priced, they're veneer these, but just going through the process and making sure how many for each one of our teachers to make sure we have enough hands-on sets for the kids. So that's been a big portion of our ordering. And

Daylene Long ([08:18](https://www.rev.com/transcript-editor/shared/iTRs0doPaO8-yCyl3dhx_n7AoMCRUv9-IM_vLG775KeaV_gpRU_f6XM78tfScDrtDwg0v81t1E37L2yQxISWly6gV5g?loadFrom=DocumentDeeplink&ts=498.47)):

How did you decide that that's one of the things that you needed for these new labs?

Reade Burke ([08:27](https://www.rev.com/transcript-editor/shared/neVvk967-P7A9EboGMok2bWa0utc7fbMsEln2Fx-fngddx01h6J0FQ4Bgb1qxzPP5cAvn27ncGksYqeELNjF6uNWMik?loadFrom=DocumentDeeplink&ts=507.17)):

I started wanting to do with environmental science, more labs outside. And so I found the LabQuest product because we can't take field trips, that's not time effective. And so I was like, I need something that allows me to go outside with kids and collect quantifiable data that they can take, analyze graph and do multiple rounds in a day or a week or month. And it needs to be a quick turnaround, not on block schedule. And that kind of really allowed that. And we've expanded on that since then with the different probeware for different activities.

Daylene Long ([09:06](https://www.rev.com/transcript-editor/shared/-PxIXUjr7BhGn8_xsqIlZ-c3sfVaKI_37GknNmAkYdHUPWnZcbYhGNHlndazn22Pb6W-SXp1ml0gX0dwJLaqGCvFDkw?loadFrom=DocumentDeeplink&ts=546.69)):

Okay. Do you remember where you bought the sensors from?

Reade Burke ([09:12](https://www.rev.com/transcript-editor/shared/OzYmrSRuyekGvgX4Gk7jB4H3seUFTiDzRlCVCI13THbRigIf6tUWnzD2bytfS7F-b-m8JroSGBP4mEljUIqRxXYArpY?loadFrom=DocumentDeeplink&ts=552.27)):

We bought them from Flynn.

Daylene Long ([09:15](https://www.rev.com/transcript-editor/shared/MGZzPMYTWRHBq8v6kJN5I9I8W1yDHRBVa0Fb6s8UJjk85eRJbJwzDRXCHL3AS8sEKIa4xSOw0rwN-02oZPYCAySHQ0M?loadFrom=DocumentDeeplink&ts=555.15)):

You bought them from Flynn. Okay. And why did you choose Flynn to buy the sensors through?

Reade Burke ([09:23](https://www.rev.com/transcript-editor/shared/1pKFo5c2sn_XwKVoTH_8L8vW5LIGH-cC9TlVspQ1YE0HTNglGfBP4tXQMIhB2CzfWUWndsu9S5xyCNPhMYbsOy3idzs?loadFrom=DocumentDeeplink&ts=563.64)):

We have a limited list of who we are allowed to order through from our approved vendors. And of those, Flynn had the best pricing.

Daylene Long ([09:31](https://www.rev.com/transcript-editor/shared/z4NCSqHpkNp9On0idNsB90Sk0jX5M6br49juiITQS-nYyNOt8ZAo29TtZRW8u9QiUY9-wnPF4UtahxUlpv8FmhGcA2g?loadFrom=DocumentDeeplink&ts=571.53)):

Okay. Do you remember any of the other approved vendors that you're allowed to work with?

Reade Burke ([09:37](https://www.rev.com/transcript-editor/shared/gDtMI-9nuOuWBHdZBwNIIRoLLN8IPfp5L74nrvA4_62Ba5cVkLl3wi2KGV19POH5I4SUgQVQ59uG8qRnzL3KohQlRFA?loadFrom=DocumentDeeplink&ts=577.32)):

Carolina and Flynn are who I primarily go through and then they've cut most of our chemical vendors. I know our physics teacher uses somebody else, but I don't recall who, but there's only four and Office Depot is the fourth one.

Daylene Long ([09:51](https://www.rev.com/transcript-editor/shared/HxU82RjvWDbHbGj7iE2C5FsSfRhwT4DPRUKKGhGQsELz6WikSeDOxKdWupEoUhVws-d-ne4WqscJdFInmmGrYlB8LOw?loadFrom=DocumentDeeplink&ts=591.48)):

Okay. Alright, that's interesting. Between Carolina and Flynn, can you tell me any really positive experiences you've had with either or conversely, any negative experiences you've had with them?

Reade Burke ([10:07](https://www.rev.com/transcript-editor/shared/hoHZrXJhJ7ciGfP5M-8UcYhk1ZVqQMP4UHrd_9dnd4Go2eeHTvK147bXKaQZ1A-gChAYPEYlaJQ--DF9utwx4-0hqao?loadFrom=DocumentDeeplink&ts=607.95)):

I think they both do a good job at offering different supplies. I feel that Carolina's strength tends to be life science specific products, and Flynn does a better job with higher quality chemicals, especially in bulk sizes. And so that's how we tend to do our ordering. Both of them cons, they're overpriced for things that I consider simple house products. If I need 500 toothpicks, they're going to charge $10 and I can just go buy it at the store for 50 cents. Now I would have to pay that out of my own budget versus our campus budget, and that's another problem. Whereas teachers, we need to have access to things for reasonable pricing and soil is another example of that. We use a lot of soil and apes and the pricing on both of those websites is outrageous.

Daylene Long ([10:56](https://www.rev.com/transcript-editor/shared/RNL3XqvQAGntFoyJvZj3MMAHV2SOmsomVXBmVgl9e8-QssNUWKqGFBubp50yFAzG6BddfimdxjV9VUAFGeU3uF3ebEU?loadFrom=DocumentDeeplink&ts=656.25)):

So you mentioned that one of your other approved vendors was Home Depot, but you're not going to be able to get soil at Home Depot. So where do you go for that?

Reade Burke ([11:04](https://www.rev.com/transcript-editor/shared/i3nXfa2xSQNlEZ470oGDvx_YlLcYlhIo8CC1ImWUr2zjyxwk7OcMHqW5e74tbMdTyGQjq88ED1rTg5W60eeQ5JcWd-Y?loadFrom=DocumentDeeplink&ts=664.38)):

Office? Depot.

Daylene Long ([11:06](https://www.rev.com/transcript-editor/shared/w0ZpkJVD6jP3R8ouJYbmA4Q8fmI4blDS81qmc2Cct1y1S1HuC_VdwFAfD2-Rp5WnX3-blj_dPoGgSjSoVWr6QWQgaYk?loadFrom=DocumentDeeplink&ts=666.58)):

Depot, office Depot. Sorry.

Reade Burke ([11:08](https://www.rev.com/transcript-editor/shared/UMXfVeu8nJ3cGWnZxvo9r3c01rPDJIjlAaUEl3sMdvOHXvOU9yVuZIg07MB9_E8E0MF-sNZ1I9Ar3twv_n4HRA6ynI0?loadFrom=DocumentDeeplink&ts=668.94)):

I buy it myself.

Daylene Long ([11:11](https://www.rev.com/transcript-editor/shared/0gRs_p8DDfGXoWt1A_d_BP_pbBFnUjVhRplYNzzXiMWQAvQg3MyR4-mwEU1PVWoEh_vq0kFtOf_y_OwmtDQIj2v7pM0?loadFrom=DocumentDeeplink&ts=671.43)):

You do? It comes out of your pocket?

Reade Burke ([11:13](https://www.rev.com/transcript-editor/shared/UFQjWEt1EoUJqwIKTnQIWq-N933HYOSzE2w_Ngn6_8I-zWg7cw6Vy-hiTCmrJdAF7GimGgbPL6KuavBToryYw8eQn3A?loadFrom=DocumentDeeplink&ts=673.74)):

Yes.

Daylene Long ([11:15](https://www.rev.com/transcript-editor/shared/WRdC56BzZD6i5O_WProSUeKuh7tgkTj6aVWWm67mTDDSRsZiHu11DpZTbIxcasC41AWOmHp1pUJw0-UWTx0-cw76SI8?loadFrom=DocumentDeeplink&ts=675.01)):

Oh, that's unfortunate. We know that you teachers are always doing more with less, which is part of the reason that we're doing this research. Any other strengths or weaknesses that you can think of with Carolina or Flynn?

Reade Burke ([11:33](https://www.rev.com/transcript-editor/shared/PDe_hDknAC7IVFC3kCPbVMegKqrsW1raWu7kuArAuED-_VcRLV02dFuE0otjlfoqnuBe09gU2PQPli_fsvkeFAqDOJQ?loadFrom=DocumentDeeplink&ts=693.33)):

I mean, their websites are great. They're easy to use. Their representatives are usually pretty responsive. They do do a decent job, I feel for newer teachers with, Hey, I don't know what I'm doing at all. Here's this new lab. It comes in a kit, but once you've been teaching for a while, those are not the most cost effective options and they don't have a lot of refill options. So it kind of reaches the point where it's like, I wish I could just get these selected parts for a cost effective price.

Daylene Long ([12:02](https://www.rev.com/transcript-editor/shared/7aCSMK40CrAAA9ZVqplTu-_pJ_JlKyMvfHReEliDJ6_9TIVUKklJaGcodNwj2GXSCV12B034dLSOqljhqA_KIXzLycg?loadFrom=DocumentDeeplink&ts=722.47)):

Yeah. You mentioned two different budgets. You said something about a building budget and a department budget. Yes ma'am. Can you tell me a little bit about how those work? Who has to sign off on them, what the amount limits are and that kind of thing?

Reade Burke ([12:21](https://www.rev.com/transcript-editor/shared/1zqbdboKlKdyFnTu6iR9NSO0KN_PBiWfJ5pR4FYZ99AilgxtT2QLoToYWTneA4CnR_kTIf8V09rSu3BI59nfzCeTea4?loadFrom=DocumentDeeplink&ts=741.34)):

I don't have the limits for those. I just know that my department chair approves our science budget and he's given an amount from our campus principal. And I've never had anything that I've requested be denied for labs, which is a big benefit here because we do really value the strength of our science program. It's not very large if I'm being honest. I would imagine that we don't have more than probably five to $10,000. And for our campus size we have at least 40 different sections.

Daylene Long ([12:53](https://www.rev.com/transcript-editor/shared/tiA3HDvLj3f-WJPnGarwSCOJ_sdt2r5G4lIv4PhHDGK2wJ_QMgX3Ba9zeZdqaoJsc3o2keXuiF6kmDM_CCPeMhm9Jsg?loadFrom=DocumentDeeplink&ts=773.74)):

Wow, that's a lot. And then the other one was, so that's your department budget. And then do you have a budget for each class or for you as a science teacher or

Reade Burke ([13:05](https://www.rev.com/transcript-editor/shared/MKPWBvA4RdIJrCAees_9C58kfw9_xJbRAIcCzzsxUqnafo65Q5eRze3pvZ5LA8o0-BBcPWmPe7YTbh8Qoyvyb_q7kGI?loadFrom=DocumentDeeplink&ts=785.29)):

No, it all comes everything. I'm a science teacher. Science comes out of that department budget, so that's our paper quotas, markers, everything we would need as a teacher unit.

Daylene Long ([13:16](https://www.rev.com/transcript-editor/shared/MYuBnswwIn8DST76aBMAe0P2QS4xUy90zu35N4inGilx8vDFR0fLVbYkbQBF4dINWsqI8GndWrrRjQ6KMQZpqc9b5n4?loadFrom=DocumentDeeplink&ts=796.45)):

Okay. Have you had any district level where the district has come in and say, Hey, we've got some extra funding, what do you need?

Reade Burke ([13:25](https://www.rev.com/transcript-editor/shared/8QsynNQhMa7K-0p1RyPszonChaJYUfq0um5t1zn2SOmlvQs5v0WoPxNp7LmVZijq6n_M-S6hajCe1OZ4J1Vv0A51drQ?loadFrom=DocumentDeeplink&ts=805.9)):

No ma'am.

Daylene Long ([13:26](https://www.rev.com/transcript-editor/shared/W_xlB9r2M9QTKv0j4i58xyiQLjNUgK86cdWY_xWb4J86jcEtBMrMvoXFSZS1nQNVHJta6AJjYVkRrjbmEvUWQKGM6vk?loadFrom=DocumentDeeplink&ts=806.83)):

Okay. All right. That's helpful. So on the sensors, do you remember just approximately when you had to refurbish them and check them out for which ones were cracked and stuff? Do you remember how many you bought or how much it cost?

Reade Burke ([13:44](https://www.rev.com/transcript-editor/shared/n1KSvei6bz_AdQLinT_r_4ZTniECYwH_8WNOlkuXpxbc9P_aMKmnrKJg-MyPkErcgMz8Akm3ZL1Y5h82_7IwbvJQTT8?loadFrom=DocumentDeeplink&ts=824.95)):

I can pull it up.

Daylene Long ([13:46](https://www.rev.com/transcript-editor/shared/-PozbGhDuVqOJKkcZ9SYughzedpUGj8glK8IdpfTor33JM1B-2zMy7lt-Ydbmq026LM8iaZIIjo6KyA8oGOlNikJ_W4?loadFrom=DocumentDeeplink&ts=826.9)):

That'd be great.

Reade Burke ([13:47](https://www.rev.com/transcript-editor/shared/QBNax5EGqEFJXv1U8cGAyE5KlIfJPffovV8HmfNsJgikn5723RlqLv18M1LG88mAY4YBE7h7b86OdWqqqKRMdorfrYE?loadFrom=DocumentDeeplink&ts=827.59)):

We've purchased, I think 16 and I have inventoried 47 this semester and they're all thrash, but we haven't replaced them yet.

Daylene Long ([13:58](https://www.rev.com/transcript-editor/shared/u-dJnFjI0TuIgipOyPkNXSn921uqwBzVT3lLdvamwEcMx4ktPOchHH3WLZzImG0w-aK_Cf3JNUtKRqALRsI9juJ4fGY?loadFrom=DocumentDeeplink&ts=838.5)):

Oh, okay. And you found the pricing to be better on Flynn is what I remember

Reade Burke ([14:06](https://www.rev.com/transcript-editor/shared/UfHYyM9l0ZS6-eEbavYcCAMm4UecZy6qu4cwoLLnBfHMyB7XZTqadUNLkG64PaiFOYR1jFdXKvp29BdV5AtfmgB0juA?loadFrom=DocumentDeeplink&ts=846.88)):

For the originals, yes. We have not priced out all of the probes yet.

Daylene Long ([14:14](https://www.rev.com/transcript-editor/shared/wn9FqrkgUjaVGOyKTrzJ9rxfpDpDo4rxQfAezDZqvsvzS_0tSUhh1fKMnIGb5jWMt2IFmtEuNbHAMt4SHXiEy-_AIOY?loadFrom=DocumentDeeplink&ts=854.5)):

Okay. You mentioned Carolina again. Do you remember the last time you purchased from Carolina?

Reade Burke ([14:21](https://www.rev.com/transcript-editor/shared/dzl0BOm0cLyo-VYwxOmq8DCmKldTQ2ObhDTjrdn7zFGem8dTuPnH4cyk-IWnBpWYSSNemzY31aLktiRu7o2Iu8rq-i4?loadFrom=DocumentDeeplink&ts=861.43)):

Last month.

Daylene Long ([14:22](https://www.rev.com/transcript-editor/shared/YvzfC7zNd-4FIw7OkELRT3XOayP1ozFry_twa_F25QrgTT2gpkOxMCOjbZSa_fX5Ycf50eQvw0qbmXG-aX28EcgsnVk?loadFrom=DocumentDeeplink&ts=862.54)):

Okay. What did you get?

Reade Burke ([14:24](https://www.rev.com/transcript-editor/shared/bzMIGtCTKNUakGIOW0wMYas4RsAoSOg-HWSsSr4MNxN5oYwB2HtzXbp2BBRo46s_71dAZCQvAvKIi2-mA_KartjAW7g?loadFrom=DocumentDeeplink&ts=864.4)):

We ordered BT blue Phenyl, Lene pink, new scalpel blades from Carolina. I ordered ghost shrimp for our aquatic tank. And then we ordered dissection specimens for a C biology and AP biology.

Daylene Long ([14:44](https://www.rev.com/transcript-editor/shared/ltCZE05e5sZWXrJeIBK3aOT9fJ4vyrkaRUQk-3g90wWIz0GZJlUilfo2ZBS2XXKHKRkMVandDfSho-tY55joIan2-fw?loadFrom=DocumentDeeplink&ts=884.41)):

Do you remember which dissection specimens you ordered?

Reade Burke ([14:48](https://www.rev.com/transcript-editor/shared/VPcXB7c1XtsA9ujSmJv01xezXEc8ZUe_apnS_CIz39pLaHFmjM-GsQqFkhjnLUeJHkSshAA8E01HjNQ4FKJKTZ9i2g8?loadFrom=DocumentDeeplink&ts=888.19)):

We order rats, earthworms, AP bio does pigs, the fetal pigs cow eyeballs, and that's all we ordered this year. Last year they did the fish for aquatics, but we have a different teacher for that this year.

Daylene Long ([15:07](https://www.rev.com/transcript-editor/shared/hr5iT5Nwh9GpwsS25zsKgck4Hrhyr3VuqTffBxKJr8qaZoAaHn6aZmD27rD4QAsLqK-oBi2HP9QyhRQQvxCuxPrwhL8?loadFrom=DocumentDeeplink&ts=907.16)):

If you needed different lab supplies, like you mentioned an aquatic tank or you needed a thermocycler or you needed, I don't know, biotechnology or anything like that, do you have a go-to vendor for those?

Reade Burke ([15:27](https://www.rev.com/transcript-editor/shared/Ey_v3G-6gq8xxbtbErEqEikj1_cCKGxmIY8-xEGi0WYj_GzsqvweziaCvDAaUUxt253I-xSaXlq8-tmJnCsOvgLBxa8?loadFrom=DocumentDeeplink&ts=927.68)):

We do not. My partner teacher and I actually have won some grants for PCR and thermocyclers. We'd used the mini PCR tech, but that wasn't on the approved vendor list, so we had to have a special grant to win those. They weren't something we could buy.

Daylene Long ([15:43](https://www.rev.com/transcript-editor/shared/ZkP8a4GGOQeeUOgvUrh-54FMxZiwMJXAC8880UM3uyYRiCYtGXFb7TtD542HlSw8kLRTuhcHi-ZzbRmed_yvBKneQoE?loadFrom=DocumentDeeplink&ts=943.46)):

Oh. So that's how that works. You needed a special grant because it wasn't on your approved vendor's list. Okay.

Reade Burke ([15:50](https://www.rev.com/transcript-editor/shared/R0iHybGdxKgrbKA8F2AWmOARsaTyJmj1o403gbBaFInuWWZvx_TJ_hWdcvsDS9H-GShrUiamIUbP-Jcon7ve_yEf2E8?loadFrom=DocumentDeeplink&ts=950.09)):

And it exceeded the value of our department as well.

Daylene Long ([15:53](https://www.rev.com/transcript-editor/shared/3FTxRzF2ZfUTTqqiDKGP6fEJapp4JsAxR2izL7gNP8jp8IcHrXOlrOHygkTJQVMRNCKuD5rcXdlzGd-yUR6EWNVqov4?loadFrom=DocumentDeeplink&ts=953.84)):

Okay. Where did you first learn about the, you said mini PCR, correct? Yeah. Where did you first learn about mini PCR?

Reade Burke ([16:03](https://www.rev.com/transcript-editor/shared/dUiAAjMHt8m1K1ZRl36xjH7YhuWs2m5ck94vExdc8uRTj3JlQi51LfI9ZAlb8hG2DL_S39jKYcvAL0QE8B1UN2BOguE?loadFrom=DocumentDeeplink&ts=963.74)):

My partner teacher used to work in biotechnology. He did research on cancer and so he was familiar with them from maybe a conference he attended. I'm not sure.

Daylene Long ([16:12](https://www.rev.com/transcript-editor/shared/-obFVem7I8BAXoWxuVGhylRGNvQ-BdoqZnG-r0EDGsa_rcwuJBCnX_nlBkAOE73SQfee8qF6hXI_-dFE64BhXXc6pf0?loadFrom=DocumentDeeplink&ts=972.95)):

Okay. That sounds interesting. I've heard a little bit about those from teachers. It seems like those are definitely becoming more popular.

Reade Burke ([16:24](https://www.rev.com/transcript-editor/shared/IlA_QwKAhxYjrKFIv8LdzqhlixaxMcacPpT6Ve7brM1gEU1_NB8OqNpyYRxGK_4h3sb1heUfW1i55-4-KF8Y-mDS_fc?loadFrom=DocumentDeeplink&ts=984.17)):

They allow you to do them within the class period, which is really interesting. And so students get that hands-on and then if they go to take biology in college, they can kind of see how they work. And we've got some really quick water baths that heat up too. Good from Carolina.

Daylene Long ([16:39](https://www.rev.com/transcript-editor/shared/cHDdLp7d-irk0dO3kKRCnYmgckRD3q-vJs6i-2-VxiTlrbRC-YmMeNyzCBPlf1C4b0ZnWuOynJ0T6WBjECg8LKHG16c?loadFrom=DocumentDeeplink&ts=999.62)):

The water bats from Carolina?

Reade Burke ([16:41](https://www.rev.com/transcript-editor/shared/7IfmiawH8dmmGnoh4mf-4B9HGUyI1Yb39F1-tCeIA0pQR4SrrSKOkKyq77I1ncEpinLIsasW0-puT5i2K_YDZpg35H8?loadFrom=DocumentDeeplink&ts=1001.48)):

Yes.

Daylene Long ([16:42](https://www.rev.com/transcript-editor/shared/0vsr0OuzsOvFzeZ_RvwavHgDbupP1BbTLfIvVGrAKMydUJYMNxgIiOeJbQcTs6srXIJjhGBtT3ri2vXLzH6LOJOZZp4?loadFrom=DocumentDeeplink&ts=1002.11)):

Okay. And then, let's see. So we talked a little bit too about an overall objective of our research of wanting to make things better for you guys, wanting to see what's missing that's out there and maybe solve any points of frustration with the stuff that you recently purchased. Are there any supplemental materials or videos for you or videos for students or anything else that would make the teaching better or more enriching?

Reade Burke ([17:21](https://www.rev.com/transcript-editor/shared/yGT7rjR2nzJQxQjxRmUAxVtyvwhMHLTmigtmjEbHxu8Scgfcfw63wdFK3w-Aa2FI9O6Eatnus2bnKMw4Rp2y8_agCVQ?loadFrom=DocumentDeeplink&ts=1041.11)):

I haven't received any supplemental materials, so those would be fantastic. But just like anything for kids, especially in teaching now with levels, so like, hey, this is a probe, this is how we use it. And we could introduce it to let's say a freshman and then with somebody who's in a higher level science, like my juniors and seniors who are in college level classes, this is how we can apply the technology or this is how it's used as biotech in the field. Here's some activities that could be done. Anything that can save teachers time or some of our newer teachers who don't have the experience with teaching or with field research. Those are great things that we could be doing.

Daylene Long ([17:59](https://www.rev.com/transcript-editor/shared/jzQ05PlWI-yesLPyAGtfF6Ml-Y6jBoDSzlIRiYEPN30p_tPQgchzGz_9k7RLr_grSCQaj3-Ms2VF1KIR3w5PBH7OBKo?loadFrom=DocumentDeeplink&ts=1079.49)):

Okay. And you mentioned it being leveled is really important. Okay. Does the leveling correspond to any particular, excuse me, reading lexiles? Or is it just kind of thinking through an average freshman up to high school senior?

Reade Burke ([18:22](https://www.rev.com/transcript-editor/shared/-gBDmTZswbhQFGC12g2Sxa2cOMEk5OITeosCs9R60nxkfDMLAV_z0UobQm7JXDTiXASXSVz1Wg41Npp2AJSywf17jgo?loadFrom=DocumentDeeplink&ts=1102.62)):

I think just leveling by grade would be a good place to start. But we also level here within our classes, we differentiate by student interest and need and kind of where they are on topics.

Daylene Long ([18:34](https://www.rev.com/transcript-editor/shared/ygM65HUe1I8hgnT0__toIHV_mFIHiV6U_zbPRfl1OSCOalk_PjiN_9GWskrrYrgFkJvBCpcCKhAaBgXw7Jyn_TD09YE?loadFrom=DocumentDeeplink&ts=1114.11)):

That's interesting. Tell me a little bit more about that.

Reade Burke ([18:37](https://www.rev.com/transcript-editor/shared/LfgL62dHp5JH2KnqiYV6a73Z5SFX-HlPDtb-JEE5sBRk-Uvc2Ii0fNHl7i3EUKxAGdP83hTysYb2shot9muIrZs-cYc?loadFrom=DocumentDeeplink&ts=1117.47)):

So in my EP class, they'll take a pre-assessment. So if they're really good at a particular unit, they can kind of bypass the traditional lecture and focus more on application based. So maybe they'll skip to case studies or those who individual projects for application of technology. So we try and make it a little bit more individualized.

Daylene Long ([18:57](https://www.rev.com/transcript-editor/shared/AInL3E6n_GVY-W-usyn8Vo0rVmUvZrlQ4VDeAaGhik-j0dnMcBL4107X2eAKZJ4sDq2fLYY_WeqpZhHZCbAiJJlt7o0?loadFrom=DocumentDeeplink&ts=1137.06)):

Who came up with the pretest that they take? Is that teachers or the district or how did you get those?

Reade Burke ([19:05](https://www.rev.com/transcript-editor/shared/E8uz4y9pDfrAHyJ_9v7-nRhdW-G6aepctthM5uMPZ7HcHelukIvboaculBBPMcwFDWoX_bCo2rHqxWnmHWW-TviyWU0?loadFrom=DocumentDeeplink&ts=1145.31)):

I made them, yeah. They're teachers. Yes.

Daylene Long ([19:08](https://www.rev.com/transcript-editor/shared/of0Zaz100pPFGNbRvG9dVrEk_dT_Sjqht_xsI2arNIfJbxr25KtsOMWlQG7C2wFPgXXyoJppxA4lBmpix-Wr6GQfaJ8?loadFrom=DocumentDeeplink&ts=1148.67)):

And have you felt like that has been helping with engagement for students?

Reade Burke ([19:14](https://www.rev.com/transcript-editor/shared/OODHUeUwOBq5O1DUVaoSlb9onj6cpg5s0AJlZc40vRLqrh1vabFj6gmM-164Fm7yBMiSFNQdhP622dBvvErxfLTHi2E?loadFrom=DocumentDeeplink&ts=1154.16)):

Yes. Our district really pushes the pre-assessment cycle, and so it's something they've encouraged us to do and to differentiate, but the work of that is done at the teacher level.

Daylene Long ([19:22](https://www.rev.com/transcript-editor/shared/gCfWpZUC7rB8Di0jNa0nShKDBH8F_XcKBX-iOM3atcK3vBExMxoAJhLTlrAAPj4jRLNfCYnhUc8Fjl64RAU4zMQUA5Q?loadFrom=DocumentDeeplink&ts=1162.95)):

Okay. That's really interesting. What are some of the more unusual interests that you've had to adapt to or even the more common ones?

Reade Burke ([19:34](https://www.rev.com/transcript-editor/shared/BU5PS3rvIso68BMD34o-GUzT-S6mzWnQA_b-aeMqBGOCY-gcjBlAqn4IQplcDk9Zrjd-gyTN7KZmDjTzBMHm16UBUdc?loadFrom=DocumentDeeplink&ts=1174.89)):

I've had some really interesting students over the years. So my AP class, that's my passion, so I really focus on it. And I actually, I work for college board also. I'm an AP reader, so I always try and innovate as they do. They share things with us. And so I always have two or three weeks after the AP test where you're like, what am I going to do? And so that's where I try and push them for, you took this class for a reason. You've hopefully gotten your AP credit. Where are we going to go from here? And so whatever their interest is in environmental science, which is a huge spectrum, I try and have them choose something and then do a project with it. So maybe an internship. So one year I had a girl who wanted to be an architect, so she went and found an architect in the Houston area who was focused on sustainable methods of forestry. She helped them find better lumberyards that used more harvestable timber that was better for the planet. And then they actually started changing the way that they designed buildings to use the better lumber in different ways and wrote a paper about it, which was really fascinating. And I don't know anything about architecture, but it was interesting to learn.

Daylene Long ([20:46](https://www.rev.com/transcript-editor/shared/0TPRj1NZxIDUUwsbQEovYmDM8U6ARQsm83_JOVgKsAlzAuoxnXcH7CvEVX7gbqzu3znxHlrOyIhSINvivgy7l81ckR8?loadFrom=DocumentDeeplink&ts=1246.41)):

What a wonderful, that's really interesting. Any others that you can think of?

Reade Burke ([20:55](https://www.rev.com/transcript-editor/shared/-wbcZqYVu3hY4sbvmTMqAxDhQxH_eyLSkDalAriNdpqBTvi-9JRe0RDCpJw_Iah4iHaXza9HTunRjXgEKTruQNV9Gho?loadFrom=DocumentDeeplink&ts=1255.99)):

I've had some students do some really cool projects with Arduino, which is something they can code to do different things. A lot of students are focused on recycling efforts. Our campus does not because it's not cost effective in our region. We're trying to encourage our food and nutrition department to switch away from styrofoam trays in the lunchroom. So students are advocating for that. That's something they started this week. I had a student a few years ago who found a way to make reusable expo markers so you could just pull the tube out from the middle. And so they made a product design. They were like, teachers throw these away all the time, and they're not really recyclable. They get thrown out of the facilities. So I was like, mean, those are good ideas.

Daylene Long ([21:39](https://www.rev.com/transcript-editor/shared/nOLbbovRKq7rzRx8-kuS2fYloYlXZPPwPCcTcSTgGJ4gwqTsJS29i_CrPezdLsz1GJ9HcHVvtu_rTynWg6d4fv55Slo?loadFrom=DocumentDeeplink&ts=1299.67)):

And those are the kind of global challenges that kids that are in high school right now are going to be needing to deal with. My son is 21 and he mentions from time to time that prior generations have ruined the entire planet for him and that he and his generation that are going to have to deal with a lot of the fallout from it. And I see that in a lot of the projects you're talking about there. So that's interesting. Let me see what else I've got on here. Okay. So we talked about video resources possibly for teachers or students just to kind of get them ready for what they're going to do. Do you use any simulations or interactive programs?

Reade Burke ([22:30](https://www.rev.com/transcript-editor/shared/3atYRoIbaMbWIIpyz17S-w0YijQBd7x5dg9hYam6KEwh1zb6-_qg5BO19bcVuHdBwnm-Ch7b5y4qw75mujwE4GmY9q4?loadFrom=DocumentDeeplink&ts=1350.88)):

I have, but I've tried to switch this year away from as many of those as possible because I noticed through the covid years, kids have turned off when we use more computer-based. But that was something I used to emphasize and I just am kind of waiting to see if generationally we can integrate those back in.

Daylene Long ([22:53](https://www.rev.com/transcript-editor/shared/O9xM7p5oj0zDj4BQbkA_cZ8nmJH88jenL7LIrDsfQE0aNh3Tl61L_ZxO9a0pgT9W0J9dNd802Pgsby3hkK3Ij2TgNXk?loadFrom=DocumentDeeplink&ts=1373.8)):

That sounds smart, especially with the emphasis that you guys are really putting on those hands-on labs. So part of what came out of the survey was that it's really important to most biology, life science teachers that their vendors are reliable. And I wanted to get a sense from you of what reliability means.

Reade Burke ([23:25](https://www.rev.com/transcript-editor/shared/qgcXyD1xUbqrHNsoJW_hDKWsyxfm3FRvd_7mr2FjpnutASOwnkgpdkqK2hpjzGnjdLgZYQWFH5LxsgbivKQd9Hn8boI?loadFrom=DocumentDeeplink&ts=1405.27)):

Well, we've had some issues in the past with vendors where we order things and they're not coming in on time or they're not the items that we have ordered. And it's very difficult. We have classroom phones, but they don't ring because we're teaching. They're shut off by the district. It's sometimes difficult with any business for them to understand that while a school is kind of a business, we're not really someone that you can constantly be in contact with. So anytime there's an issue, it's not simple for us to fix. So for us, reliability would be if we're in contact with you and we have a problem, we need it to be fixed the first time. Not in the case. I had this year, the seventh time.

Daylene Long ([24:12](https://www.rev.com/transcript-editor/shared/vx6dxUiyZezf73lX_MQlhu5zidHW1sgA4tPpANCSejNzfM5GBZwWj2vfwsg8pV_nXschBqjtimc_3ah0Aqo0lRbeuzE?loadFrom=DocumentDeeplink&ts=1452.17)):

Oh my goodness. Do you mind telling me which vendor that was?

Reade Burke ([24:15](https://www.rev.com/transcript-editor/shared/xkmnj76QpZw_FFSn5aHTXDb7y-l4aT418ExQpNh7lMzo3qdTllhklbKJtDXDq00TfmxJhMszTmTHS7R8i7NNGgjhDpM?loadFrom=DocumentDeeplink&ts=1455.74)):

Was Flynn?

Daylene Long ([24:18](https://www.rev.com/transcript-editor/shared/Jh_xmSgLNe3QCnotA-T6sViVFjJ8D8ClKhISozeUdK_f1bfK6SZJ1a7eAqOIwe0gb7L9et9InBuOMeT1m9DYzzfQh14?loadFrom=DocumentDeeplink&ts=1458.92)):

It was Flynn,

Reade Burke ([24:20](https://www.rev.com/transcript-editor/shared/rgRIPY23jfHVL_jzxDzxRl_tUFtDcIbscYypOqbmFvWndxJ91k5Cj1a2bdt-FxlBjoDDv_RQP-dn6_y8ATA9OBIEWL8?loadFrom=DocumentDeeplink&ts=1460)):

I think so. It might've been. I think it was fun. It was a probe, but they kept sending us the wrong one and it was a problem and they were like, we don't understand how. And I was like, neither do I. But also

Daylene Long ([24:32](https://www.rev.com/transcript-editor/shared/_Lyq64MAb9b7K8SBYqPYVTGH_2cyJIfnonVrZdV6OEyV4mgLbbxYdKhFCif5dYyDIv5AxhL2XXP1kYrC4L2Mihk4yqU?loadFrom=DocumentDeeplink&ts=1472.23)):

I needed,

Reade Burke ([24:33](https://www.rev.com/transcript-editor/shared/rZ3LsDRQF1LfVXPHlkttgm0CMSmJtPB-WvLz--_lm9Nl6GmEBTaGkVnUMnUazsmllG2t7nqu4TZNfR6d8JE1avhZQz0?loadFrom=DocumentDeeplink&ts=1473.17)):

At this point, I needed the item months ago, had to bypass the activity and don't really have time to be shipping something back and forth.

Daylene Long ([24:42](https://www.rev.com/transcript-editor/shared/TFYezDlbvsySanEOa-zyVZuHuqZc142gFgO3objHNXDT8BCxL1WCyUFWleyP1vLbUE3v_vR6FJ2DFPHO8-LEvXMgKUk?loadFrom=DocumentDeeplink&ts=1482.56)):

Did they make it right for you in any way?

Reade Burke ([24:44](https://www.rev.com/transcript-editor/shared/uBVzNAY6kplFgALiqpnQ3Loajvp2ecRZSULVd0Huz-9z64QozLzleeGlV0QWOWFEWIEEFNgDTWceMPKXSjpcP313dik?loadFrom=DocumentDeeplink&ts=1484.96)):

No.

Daylene Long ([24:46](https://www.rev.com/transcript-editor/shared/7qFb5l6EJ39D9vHmGA6rXyknje76t73JzZjiMk5BnCrhsobkNy5Qpw-T_zbLHZf4XRrBT0kInLTJ9avEUYHtmPP5Dac?loadFrom=DocumentDeeplink&ts=1486.4)):

Okay. Okay. That's interesting. So let's see what else. Are there any other things that as an AP bio teacher or an environmental science teacher that you thought science teacher, I wish we had this or this would make my teaching easier or better?

Reade Burke ([25:10](https://www.rev.com/transcript-editor/shared/lcRICgbppY1pXveEIcE_Oj9SsICFwNAMcOD8ILuC3mkPMMh3h9MnsnoW_HViUj6yghYaqJwOg8bLuAS5146dVC99Gwo?loadFrom=DocumentDeeplink&ts=1510.94)):

Just more offerings. Sometimes I feel like this could be my district's fault, but there's not enough offerings on the websites. My tank filter went out last week. Neither one of those vendors offers tank filters. So I'm trying to solder a new motor. There's no reason for me to be soldering a new motor on a tank filter. That's crazy. But I'm not going to go spend $120. It's a large filter on a new one. I don't really have that in my personal money to be spending on my job right now, but that's not what those companies specialize in. And there's probably someone else out there. But is that my district's fault or is it the website's fault? Not really, but that's the system that we're working in.

Daylene Long ([25:53](https://www.rev.com/transcript-editor/shared/5j-f5YVGJVXhITE9Nd12ziDMwfFJmocK_yScUEacFWNhsIttgEZg75GpVlWBavZUjNm4hHZebN2JoM2h6Jd85JawYoM?loadFrom=DocumentDeeplink&ts=1553.63)):

Because you're limited to three vendors?

Reade Burke ([25:55](https://www.rev.com/transcript-editor/shared/mQD_kCl57EFkwC7zeelMcYz8hLPGa7d6rp_bZg1JonMuB3YKFKiAzHOul6TfeKl9t_OvzUle43TYLxD0Os3JfPGOcjg?loadFrom=DocumentDeeplink&ts=1555.82)):

Yes. Pasco is the other one, by the

Daylene Long ([25:57](https://www.rev.com/transcript-editor/shared/pRIMUlKm6UdVGmdp2lIIAUGAywFgoSBLOj5YIZkVP5-PDzft_Lu3TOqv9hfKK46kGEMJ5z_uWac13-rmV8JPstN6vFg?loadFrom=DocumentDeeplink&ts=1557.76)):

Way. Oh, Pasco iss the other one. Okay. So you've got four vendors that you really go with there. Okay. I have gone through my questions. Kimberly, do you have any questions for re?

Kim Herder ([26:16](https://www.rev.com/transcript-editor/shared/PXFRPdohR_LWfx5C77ojwGuCDLjSeO-1igMMdMZW0ZujE8GZePL-igiz1woSCrye8rDlpwqZpALOVgqBuU40YhzE9xs?loadFrom=DocumentDeeplink&ts=1576.73)):

I do. I had know a little bit more when you were talking about leveling and scaffolding or for your students and how that happens or how you help students catch up is my first kind of thing. And then I want to ask about new teachers too once we've got that one covered.

Reade Burke ([26:39](https://www.rev.com/transcript-editor/shared/NgjQI85wlYpr5CQw9H3TAOJ3u6ErzRngms-X0TMA3O3VdOmbIzS3N2UcRfoaVfPOxDfispOM9yQJZ0E6yjU_EeH-l-I?loadFrom=DocumentDeeplink&ts=1599.95)):

Okay. So on any given unit leveling? Yeah.

Kim Herder ([26:45](https://www.rev.com/transcript-editor/shared/U78QNIDbHvZ-bNkwJj2ccBR4xg6QEFLvnbN8qw-eT0Ovv0Mh8r0lfGWSgV3VP-b3OcSkuEG6NItijiySv4ridaf-_cM?loadFrom=DocumentDeeplink&ts=1605.09)):

Yeah.

Reade Burke ([26:45](https://www.rev.com/transcript-editor/shared/s4faZWNbwwyAZJsEVo1V5Jy0peP4zRnc8OHf4MYJm40xNMQEB0NM2MbvrliraB6xrv0drJrsVRyFmRe1XBPKOSUJfkE?loadFrom=DocumentDeeplink&ts=1605.87)):

So starting with my freshman class, usually how we train them up. So leveling, they'll come in, they'll take an assessment, just kind of figure out, they come from so many different feeder middle schools. Did you learn this? We have some students that come from a GT academy, so they've already learned an entire unit. Why am I going to sit a GT kid through a unit they've already learned they're going to be bored, they're going to be a distraction, or they're going to play a phone game and that's not what they're here for. So that kid is going to probably get curriculum compacting just to make sure they got the depth of the detail that I'm expecting at this level. And then they're going to maybe do a project, like I mentioned before, maybe a case study. It just depends on the specific unit we're doing.

Reade Burke ([27:25](https://www.rev.com/transcript-editor/shared/k_dNzweASZkMT-FvZRfBALcvshULpFuAslkgiq0xUuxcUVOe9tqU_tgY5ZbLAs115e4jyxG_h1r4J6k9SBi_ymbReas?loadFrom=DocumentDeeplink&ts=1645.5)):

We just finished genetics in freshmen. So one of my students who applies to that GT example, he did a case study where he wanted to learn about different types of cancer. He knows all the terms. They know about staging. They're familiar with those words, but he doesn't really know how do we make a diagnosis, how do doctors get to that process, how do they use imaging and how does that relate to the cell cycle unit that they just covered? What does that mean? What does it mean when we bypass those CDK signals? And so he was kind of connecting those different things and as long as he showed me every day on his learning plan, we made together, this is what I actually learned, he's fine. He didn't have to go do the vocabulary assignment my other students were doing because he already mastered that. You

Daylene Long ([28:10](https://www.rev.com/transcript-editor/shared/L_xKi9n8iinke_Ba6hHbaJ9QsqT3dU0vjkxCkUdre8AATFIqAIvpXp1HfjruynsEu2NeQunC5ihtCQHZz3zvlSt0vik?loadFrom=DocumentDeeplink&ts=1690.08)):

Mentioned the term gt. What does that stand for?

Reade Burke ([28:13](https://www.rev.com/transcript-editor/shared/go1C7OuVa0bB1YZ1iqlwhD-KcRoryLYTiBo1T3C-AdPEVCNXFgzmTDjOUfrIkqJlhX4ff7RV26XCXfeC5aOlLDcgg6I?loadFrom=DocumentDeeplink&ts=1693.86)):

Gifted and talented.

Daylene Long ([28:15](https://www.rev.com/transcript-editor/shared/rOZwnTcPkUXG2uyeCeeZHD-YwhrWDTcXDo4aYeOqBXZMlZ8CcwmnBB8J5l3SujpSVv2Lm9QIhkesfKgR4z5M9P9d6Ho?loadFrom=DocumentDeeplink&ts=1695.3)):

Gifted and talented. Okay, great. Thanks. Kim. You had other questions?

Kim Herder ([28:21](https://www.rev.com/transcript-editor/shared/75LpvO0pu7UyoxApVeC9I1B10iYSd3EBEm0O98VwE2YWkda1OevjFrqOvuBWLa9QQChpUElAFcyj3Vbw4Vs_iH0-bNY?loadFrom=DocumentDeeplink&ts=1701.57)):

Well, one would be on the same sort of thing, but in remediation for those kids who are not, how do you handle that? Or is there anything that can be done a vendor could do that would address that?

Reade Burke ([28:39](https://www.rev.com/transcript-editor/shared/dZNk0vU4wWB5bBKQjCR_X42O1bnhWU2agGaBD6jnt4mcbpzL-QhPzwR0CJVN16xCYR8uF5kJSa8l5fZUEThMv6SWJaQ?loadFrom=DocumentDeeplink&ts=1719.24)):

There's a ton for remediation. We use a couple of different things on campus for remediation. We use a program called Edgenuity for students who are failing courses. But on the classroom level, that really depends on the teachers. There's a ton of different things you can buy from software to just information packages, but it depends. Are they not understanding a unit? Is the teacher catching it before the test? After the test? So we do RTI on our campus, so trying to scaffold them up just depending on when they're failing, hopefully before December, because that's kind of a big checkpoint. As far as what could a vendor do? It just kind of depends on the teaching style in my opinion. There are some teachers that flourish really well with prepackaged information and they can apply that to their students. I find that, I mean, I work at a very multicultural school. We have so many different students with different learning styles. It's hard to kind of a one size fits all thing that would be cost effective and would work with me and all of my students that I could get run up the ladder to get purchased.

Kim Herder ([29:51](https://www.rev.com/transcript-editor/shared/pQf7_EJ-AWbaRPExiI4J18dEqLQESFeOh3fBAqbN9a8CUNorsQ9G_vudy3OfFUmd3Gp3cEipYA_BPfFR0IuxRfoOdj0?loadFrom=DocumentDeeplink&ts=1791.88)):

Is language an issue?

Reade Burke ([29:54](https://www.rev.com/transcript-editor/shared/mZt9Epagh1jMfaSbEKfkR78dPRPdFss6JkX_8Nw67lMKFusWW5Iiu0FBQv1AwWtzT9k0ILPkfyJ0PN8iufSaMwMf83o?loadFrom=DocumentDeeplink&ts=1794.22)):

At our campus, we have over 60 languages spoken, so yes.

Daylene Long ([29:59](https://www.rev.com/transcript-editor/shared/weXmIaEMK10F15Ih8daMBmHmkndnZOFAsBtSd_M7ZI4cTXEQP2p9LEZU5G9wbFt0t-DM0cAXUAn-ZbME9ISUMYvpV4U?loadFrom=DocumentDeeplink&ts=1799.77)):

You mentioned run up the ladder ladder to get purchased. What does that look like

Reade Burke ([30:05](https://www.rev.com/transcript-editor/shared/x6b_Azq6CN0GKbrQhOBrW4XEA6mB9iw089dLKE_hWuF3kLHVaB0U66xIvbA4sei5w20A79rRB9JFj5FwX_C18tM2b6I?loadFrom=DocumentDeeplink&ts=1805.8)):

For me to get something purchased that would be curriculum based, I would have to ask the district office about it because things that are not purchased that are curriculum have to go for me through science curriculum. And then it would have to be approved on a campus level as well

Daylene Long ([30:20](https://www.rev.com/transcript-editor/shared/xrodTNAu05V2jt-V0Bvtz2NmNNK8WNzLhaVaNNIV5oX5L_SkJKiH21-BM-r3rHdPkq5-2GY3GU0zWM3W2La1mIQc9RM?loadFrom=DocumentDeeplink&ts=1820.68)):

That include supplemental curricular materials

Reade Burke ([30:24](https://www.rev.com/transcript-editor/shared/3ALWcdRoJKEb7XA2bpKNOJ6sE2cD1Q5H6YBnnOa06pw5pPICRtCTxjtjEdWZuWtLrnqOnZBeu7WB3J-25fiYxhy3v50?loadFrom=DocumentDeeplink&ts=1824.13)):

If it needed to be purchased. Yes.

Daylene Long ([30:26](https://www.rev.com/transcript-editor/shared/hgV1Gx6ybtpx8xZSGC6_AYjECUmqF9I50rcxbFvNJifNdT6nJ9VmCFd2DCimRjXxJA85queswSEgnaYdJp0m81I6PHk?loadFrom=DocumentDeeplink&ts=1826.41)):

Okay. I had one other question too about are there any particular vendors that you work with that you feel particularly loyal to?

Reade Burke ([30:37](https://www.rev.com/transcript-editor/shared/qKWaJlV1tAhSV7GIsBr81-7cMbjstm0kWiVn1MRj47D5Nlfek1s4-J6ofxhz-UGu9vC0u8ahBG5k0HZJKTwR-aH5htg?loadFrom=DocumentDeeplink&ts=1837.81)):

No.

Daylene Long ([30:38](https://www.rev.com/transcript-editor/shared/bP8w9yTbhckSy5la1sddUspsbvEeY96mtDamJ4dz2U-BG31G4mAaYZgX1NmJ4D9eaAWGizgT-Y2dxpY60QfYek7oMw0?loadFrom=DocumentDeeplink&ts=1838.98)):

Okay. Kimberly, anything else

Kim Herder ([30:43](https://www.rev.com/transcript-editor/shared/i9mRBwgtcE6D4WD3C9ZbkdqmgzXm7Hn0jsdbmlV1i2boT_BHx-ebZxYOzm3NN5e8YqCwIBJOTFKBESM_ftRpIuRFjOU?loadFrom=DocumentDeeplink&ts=1843.42)):

From you? It was on the teaching. I mean you come across and I'm sure I would love to be in your classroom. I mean, I would love to be. Yeah. And I'm hoping that they've cloned you and all the teachers are of your caliber. If that's not the case, perhaps you could tell us how you'd be answering these questions to facilitate another teacher's classroom in their ordering.

Reade Burke ([31:16](https://www.rev.com/transcript-editor/shared/ZhDR0ebBvmIIuA9QVmd2AhumuZuYI4jGwr3LqHe9rDlezNuAUmmBtkuBBME_WhZTdgzUF7CLU1d2iYrCDBF-xhZ3spM?loadFrom=DocumentDeeplink&ts=1876.51)):

I don't really know how their classrooms work. I mean, I do the ordering for our biology team, so the specimens that we order, that's not just for me, that's for our entire biology team of both levels. The on-level biology and the accelerated course. So everyone's using those. I'm not sure that they do a lot of other labs that involve chemicals or things that are ordered. I know they do activities and things with paper that are cut out and they do a lot of manipulatives and paper-based puzzles. But I'm not sure what else is happening because nothing else is getting ordered because that goes through me to our department chair because our particular team is not so good with Excel. So I manage that to help out. How else would they do ordering? I don't know. I know our chem teacher does a lot of chemistry supplies. She also teaches AP chemistry. And so there's a lot of those labs going on, but those are prescribed by college board. I don't know if there's anything that is an extension of those activities.

Daylene Long ([32:19](https://www.rev.com/transcript-editor/shared/Gn16IkY1Xkg5AnAN6YQg6n-hC1--UHOjonfElFiH7NhxPifvw3FvPWeo-pfAhqgB-W8Pajk96PPE5Zr5VgYqm58dWzg?loadFrom=DocumentDeeplink&ts=1939.66)):

Okay. Just wrapping it up, is there anything else that you would like us to know? If you were talking directly to the head of big science education companies, is there anything you would like them to know?

Reade Burke ([32:36](https://www.rev.com/transcript-editor/shared/BpZbbvDgm_pjeAYzCv_ikZTyms2fHYJno2StaMjPTlAa-ARLtUgYg4EQMUDms6UgcLzRDi6klLKzRAZEKrZgL0EdyOA?loadFrom=DocumentDeeplink&ts=1956.19)):

I would love for them to have conversations with districts to explain the importance of science curriculum. Because sometimes it's difficult for teachers to advocate for budgets because science is not going to be as cheap as social studies. Those are books. History hasn't changed, and those books are going to be a fixed cost, but eventually I'm going to need more fennel failing. And that's going to be something that is consistent. And so sometimes, and this is true with a lot of my friends in teaching across multiple districts, public and private charter schools, they don't understand that you can't just take your budget and divide it across departments. Like all departments are not created equal. And I feel that our society is moving towards STEM. That has been a 15-year-old shift. And so if we want to continue to have research for Covid and push for these things, we need to have children interested in bench based research. And if they don't have exposure to it at 15 and they have an attention span built on TikTok, they're not going to have the attention to solve cancer to find RNA. They're not going to be able to do it. So we really need to have the support here for those long-term changes.

Daylene Long ([33:55](https://www.rev.com/transcript-editor/shared/4zApStTJLG9LJkr2W75ciNRhS5sNAECv9vMrdnMwZiqX-P0LXu6VpmvRsFF9pbkHPtqfVuoah8SZ4pEjEBymePU3GpY?loadFrom=DocumentDeeplink&ts=2035.16)):

That's really helpful. That's really helpful to know.

Kim Herder ([33:59](https://www.rev.com/transcript-editor/shared/YYyZvafOZ9WyI0YN5AEcht6aQEwS0LEn4oJxQj912Vi_XZexnJ7ApNnc0HSI1MaJKF40nbq_1jIFKpZ6-FTBni7ZPCk?loadFrom=DocumentDeeplink&ts=2039.15)):

Oh, sorry, you just said binge based research.

Reade Burke ([34:03](https://www.rev.com/transcript-editor/shared/__C5VXn0R9iQNCN7atw7kLrZL6Gc52_n_YK9ryyVskqMM5WxPyKdUnAYNjiRsmBCG63GiqVHMBP7WyiotfZ2rPrC9wM?loadFrom=DocumentDeeplink&ts=2043.95)):

Binge bench lab. Bench. Oh,

Kim Herder ([34:06](https://www.rev.com/transcript-editor/shared/rk7pysISFhen6aEHqgd3tpOYgiu5M2Za0RBT_36Ls_UwxYTNoq9eFUVdHSBf3BEO5Xwz6WvAwpY0_22hq3hmRIkepbI?loadFrom=DocumentDeeplink&ts=2046.11)):

Bench. I heard binge. And I thought that is a brilliant saying that you have to hit it and you have to keep going through it. And I was like, I know. Well, you can point it now. Your thing is binge based research. Okay.

Reade Burke ([34:24](https://www.rev.com/transcript-editor/shared/SAvLFt6nh7ygZl9F9TSTrCC3bsx6D4gV3jFzcDYSR96M46GBv7YrugpSHwr-IUNiJQb5D9Rq9vndtrPrgy7eCDK4204?loadFrom=DocumentDeeplink&ts=2064.83)):

I'll copyright.

Daylene Long ([34:27](https://www.rev.com/transcript-editor/shared/ywlqnke9GtYGdhUsxxaukWvgtzLUc196R8hXExa72COGUBVHwulMJhNCodvhETDbMubEkA9Dn1D39MRmqHzQFmo1Ubo?loadFrom=DocumentDeeplink&ts=2067.89)):

Kim, do you want to go ahead and let Reid know just next steps and stuff? We're doing really well on time, but I want to make sure we're being respectful since she's got a bunch of stuff going on today.

Kim Herder ([34:38](https://www.rev.com/transcript-editor/shared/NjY3JPqQoEbgv0Vc4YP30_xAVKPaVPj0Bw3FkeBoNfKBHNubFOaX991dPnZQMsfTvb70VXapX4lypidC0P5NX1j0xs4?loadFrom=DocumentDeeplink&ts=2078.33)):

Yes. So next you'll get a email from me, whether it's tonight, probably tomorrow that we'll have that. We'll wrap things up a little bit. We had put in, or in your invitation it said a $95 gift card will be sent to you. We had put Amazon on that. It's actually a Visa gift card. Is that okay?

Reade Burke ([34:59](https://www.rev.com/transcript-editor/shared/215_0i6gvE62OAN4NsVynLAHvHTB2T3NM5CSSz1NZiYPaLz5pHEWRm_OoOjip3gF8c9NVLPo-oayqwg5FgEeXAnDxsg?loadFrom=DocumentDeeplink&ts=2099.72)):

That's fine. Thank you.

Kim Herder ([35:00](https://www.rev.com/transcript-editor/shared/f_ErZG6sXtRSrwcgyZUDGRiMCLvUxhSG1emkYmFi7O2r0PHzzOCHR_zbhqPT7TnOaxYA6facFdmqrmKLzDbnGLTF1ZE?loadFrom=DocumentDeeplink&ts=2100.95)):

Okay. And so that will actually come under from DA's email address In my email. I'll ask a couple of different things that if you haven't, if anything tonight or the next week or whatever it is, if you have other information or ideas that you would like us to pass on or add into the research, let us know on that. And then also, if you'd like to be a part of any other surveys, research that fits into our models, if you'd be interested, that would be fantastic.

Daylene Long ([35:41](https://www.rev.com/transcript-editor/shared/K8l-EnBqJyNBc9gtBBx1MyWGn5DdnbytzjIUfDkAU5o3Oaeo1hyS0W6qeA6xwU4xlkrpF-PJXBgkbDnGiCiqpwZifB4?loadFrom=DocumentDeeplink&ts=2141.28)):

Your gift certificate should come from me today. If for some reason by tomorrow you don't get it, follow up to Kim's email or check your spam box or those kinds of things. But it comes from an app that's called Tremendous and it gives you the choice of the Visa gift card or a Target gift card or a couple of other things as well. Alright, well thank you so much. And if you follow up and you think of anything that you're, you would really like people who can make changes to what's available for science teachers to know, please feel free to reach out at any time.

Kim Herder ([36:24](https://www.rev.com/transcript-editor/shared/3JSl1na0IzsWfitzDhnVXiKGwOCT7GGE37krNbcDIExG6soJaHt4UA-LiiUAjF5XdKA18tTi6rbZXLpf15wHofqah-g?loadFrom=DocumentDeeplink&ts=2184.96)):

Yes. Thank you so much.

Daylene Long ([36:26](https://www.rev.com/transcript-editor/shared/im3yUf6-RY3tpyLvEhNNp9xiRLujkvTD25BhISGk7oUNaDshcwDOdpGOjEdHKeqt9c7fz_4ysn_PaA6l9M6KdRXPWwI?loadFrom=DocumentDeeplink&ts=2186.59)):

Thank you.

Kim Herder ([36:27](https://www.rev.com/transcript-editor/shared/__2fWvox7gb2OvpVLTmp8Dmy7t1QGz52VYV4ixN7MnSp9rd6WZaUGtPUN6n2HS0dEbRdM8YSPcfeZCa-gqOGdOTEOXA?loadFrom=DocumentDeeplink&ts=2187.96)):

And have fun tonight. My gosh. That just blow your mind.

Daylene Long ([36:34](https://www.rev.com/transcript-editor/shared/FcexfrnHF5SRmeXcROadybJEbhtDlfqdilUKqjSIdT_aLTfSeCmOSU4sWi5YxxR7VGLb1GKnMp0WKBH8ONRpq30V3nU?loadFrom=DocumentDeeplink&ts=2194.65)):

All right, Kim, do you want to stay on for just a minute? Yep. Okay. I'm.