

Table 5. Representative quotes from triangulation interviews. We chose quotes that expressed the class sentiment but also provided details. Negative comments are over-represented because they were not common, but do yield insights in students who did not like the exercise.

Question	Class	Comment
How was your learning affected by the karaoke video project?	FANR 1200 2015	Well, it was a very different way to learn. I've never done something like that, so I guess you could say it was a very new and cool way for me to learn.
		Well, for the species that we did, I'm very – I'm very knowledgeable on the subject now because I've had to write a whole lyrical piece on it. And then it also allowed me to understand other people's projects as well just because it's so much easier to remember stuff through song, so the songs got stuck in your head, then you just remembered them.
		I think for my topic I learned a little bit more, but it still didn't really stick as well as studying.
	FANR 1200 2016	I had to think in a different way so I would definitely say it helped my critical thinking (inaudible) class and it just, I thought it was a good project (inaudible). It just helped me think in a different way, like, I used a

lot of critical thinking to figure out how to organize the whole project into an effective way.

I think that it was, like, kind of forced me to get more involved with the material instead of just, like, reading—over—over it, having to go through and pick out what was relevant to what I needed and put it into my own words and everything.

Um—somewhat neutrally, uh, it was different though I felt like the karaoke video made it-I was much more interested in what I was learning because I had to turn

FYO the information into lyrics so it made it-I guess-much
Spring more enjoyable instead of just like reading notes or-
2016 um-studying slideshows or something like that. Um-it
just made it more enjoyable.

Um-I thought it was a really good way to-um-like allow some creativity along with learning about a specific thing. And also like that you got to choose what you did your project on.

FYO Fall Um- well I definitely thought it had like a creative side,
2016 like I appreciated that he was trying to give us an activity that we usually wouldn't get in like a lecture

hall or in any other type of class and I guess like that project itself it wasn't like too bad, like I, I had fun making it, like my friend and I sang it together so but we were like writing the lyrics was like a little more difficult, but, um, like getting the information together and like putting the video together like it wasn't like that bad because he gave us- um – resources to put it together, so, it wasn't too bad, it was fun, yeah.

I think it expanded my knowledge in the particular topic that I chose—um—so that was pretty cool because we could pick what subject or what animal— or--I did—um—the five regions of Georgia for my topic and so we could like personally choose which one we wanted—to-- to do and so I learned a lot about my specific topic—um—not necessarily about other peoples [sic] topics—even thou—even though we watched their videos, but it was cool being able to pick our own, so yeah.

Um-I mean I learned a lot by doing it-um-I mean it was good it was different than any other class that I have taken, so something new is always good.

WILD

8680

I thought it was a really-um-it was helpful in that it got me I guess more engaged about conservation in general and how to kind of research it and maybe make it more marketable to a larger audience- to a karaoke video a kind of teaching tool to a larger audience-um-so I thought that was really helpful.

Were there specific aspects of making the video that aided your learning?

FANR
1200 2015

I guess I would say maybe writing the lyrics and singing them over and over really helped us understand the information when we were putting it in the song, so it helped us remember it better.

Writing the lyrics probably.

The music because it was catchy, and most of the songs I knew I started recognizing them, and the lyrics that went with it, it was easy to pick up.

FANR
1200 2016

I would say mostly just, um, the research and then also, like, working with my group and, um, writing the lyrics especially, working together to write the lyrics and everything.

Well I really liked being able to work in a group, that was good because they would find things that I normally wouldn't have found on my own. Um—and

just being able to, like, dive into one subject more deeply.

FYO
Spring
2016

Well definitely having to look up all the information he wanted you to provide for the video, so that was a big help, and like knowing more about the animal or whatever I did.

Yeah I would say that-like-the information collection-um-obviously aided my learning because I learned new facts about the specific species that I did my karaoke video on so I would say that it definitely aided my knowledge.

FYO Fall
2016

I think it's—um—making—like—coming up with the lyrics.

I mean making the video itself like I learned something from that but I mean I guess like writing the lyrics I learned about the subject—I wrote about Ospreys the bird, so I mean I learned about Ospreys and stuff but I guess I didn't really learn that much from the project.

I wouldn't say so it was actually pretty hard of me—like—for me making the video because my computer is really old, so I kind of had to just do the best I could—

um—so the actual karaoke—like—the video part didn't really help me that much.

WILD
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Just making the lyrics and-um-actually looking up material for the lyrics and things like that. I think that whole process kind of causes you to dig deeper into the issue and then at the same time be able to simplify it to you know make it more applicable to a wider audience. Um-probably the research part. I mean in order to have content for my video we needed to look up a lot of things so-um-that was helpful. I learned a lot doing that.

What do you think the purpose of the video assignment was?

FANR
1200 2015

I think the purpose was just to have students find something that interested them within, you know, all of the lecture material and then to get to expand on it creatively definitely made it a lot more - I was a lot more willing to learn it if I knew I got to come up with creative lyrics and do whatever I wanted. If he had assigned us a topic, it probably would have been a lot less enjoyable.

Probably to give us a – just a deeper understanding in a way that relates to us now-a-days because everybody

listens to music - we can recite music back or sing music back to songs that we barely even know, so that kind of helps translate it.

I think it was to intertwine a fun aspect of learning something that we already learned in class but furthering our development in it. And I think it was helpful since they were, like I said, typically songs that we had known and so it made it more fun and exciting - and hilarious actually when we went back and watched them.

FANR
1200 2016

I guess just to help us learn more and to have more of a personal connection with something we learned in class.

I think it was a way for, um, us to, like, demonstrate our knowledge without, um, just having another test, so it's a good, um, medium of, like, expression—and—uh--expression of what you've learned and everything—um—if you're not a super great test taker, so it's just, like a very different, um, kind of project assessment type thing.

FYO
Spring

I think the purpose was for us to learn how to do scientific research, but also like have fun with it and he

2016 let us-um-kinda pick our own topic and there was a wide range of-um-topics so we could pick it was something we were interested in and enjoyed-um-something that was just a fun way for us to learn how to-um-learn about the natural like environment or like the natural species that kind of stuff, but at the same time learn how to do scientific research.

Just to help us all learn-learn about animals or their functions in a fun way. Like it was definitely like an easier way to learn than just regular here's a book read it and learn it.

I think like you said, he wants us to enjoy whatever we are learning, so he didn't give us-like-tests so that we were stressed out about it. Instead he gave us like exercises that-um-made learning-um-this information funner [sic] for the students.

Like I said earlier I think he was definitely trying to

FYO Fall give us like a creative outlet or like to learn in a different kind of way that we're not really use to so I think that was the main goal of it.

2016 I think the purpose was to—um—give us a chance to learn about a species but in a more creative way, kind

		of like making the lyrics and stuff rather than just writing a paper about it.
		I mean I learned a lot by doing it-um-I mean it was good it was different than any other class that I have taken, so something new is always good.
	WILD 8680	I thought it was a really-um-it was helpful in that it got me I guess more engaged about conservation in general and how to kind of research it and maybe make it more marketable to a larger audience- to a karaoke video a kind of teaching tool to a larger audience-um-so I thought that was really helpful.
Should anything be changed about the video exercise?	FANR 1200 2015	No, I thought it was actually kind of cool to do. The videos were really interesting to watch – every one...So. I thought it was an exciting new way to do a project. No I thought everything was great, maybe just have a TA or someone check in with the groups just to make sure everyone's doing equal work. I think it really – I think was a pretty good setup actually. I don't really think that anything was wrong with it.
	FANR	I'm not sure, I think it was pretty good, um, I think the

1200 2016 singing part might have been the biggest challenge because, like, not a lot of us are very musical, but, other than that it was pretty good.

Not that I can think of now. I thought it was a good assignment.

FYO
Spring
2016

Anything that could change-um-I don't think so. I think it went really smoothly and the instruction was clear and I did not have any hard time doing it and I enjoyed it so I don't think so.

I would probably change the individual aspect of it. I think working with a group or work with someone else would be a little less awkward and I think that-I guess the more ideas you have for coming up with lyrics would be moving-more productive, but other than that, I think it was a good project.

I don't know that I would change anything. I-um-I enjoyed watching all the student videos-it was-um-it was really funny and-um-they all came up with like creative ways to display their information. I don't know that he could change anything to make it better.

FYO Fall
2016

well I definitely thought it had like a creative side, like I appreciated that he was trying to give us an activity that we usually wouldn't get in like a lecture hall or in any other type of class and I guess like that project itself it wasn't like too bad, like I, I had fun making it, like my friend and I sang it together so but we were like writing the lyrics was like a little more difficult, but, um, like getting the information together and like putting the video together like it wasn't like that bad because he gave us- um – resources to put it together, so, it wasn't too bad, it was fun, yeah.

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WILD
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I don't know. The problem I had the most with it is the- um-like the technical aspects of it. I am not very good

with video software and all of that technical thing.

From what I can remember, it was in the middle-either the middle of the semester or in the beginning I think is when we did it-um-and I kind of feel like it would have been a little better to switch that with the conservation plan which we did toward the end. And I think that was just because the conservation plan kind of felt rushed because we spent so much time earlier on with the karaoke video, so I feel like the karaoke video kind of would have been a good summary at the end to – to be a more light light hearted kind of tool of going forward in conservation, and then the conservation plan would be a little earlier in the semester and you know up to that we would not have to rush per say [sic].

How was
working in a
group beneficial
to your learning
experience and
how was it
detrimental?

FANR
1200 2015

I think it was beneficial just because we could bounce ideas off of each other and just kind of get things back and forth and it was just good to have more than one head thinking things. And then I don't think there was anything detrimental; I mean the scheduling was kind of hard because we're all busy, and we have varied schedules so it was hard to find a time when everyone could meet. But other than that, there was nothing

really wrong with it.

I think it was helpful in a group, because we all could bring different things to the table. Some were better at the technology side, and some were good at making the lyrics and stuff like that. No, I don't think so because everybody participated well in my group.

No. No it was not beneficial. Just again, the meeting times just didn't work out.

I think it was beneficial because, um, different people in the group have different strengths as far as like song writing or, like, video production or just purely, like, knowledge and research and everything, um, everybody kind of just has, kind of has different strengths there, so, I think, um, working in, like, a

FANR
1200 2016
group of 4 is a good number because, um, usually at least one of those people is going to have some kind of, like, musical or, like, poetic background of some kind and then, um, I also liked how he, like, spaced out the groups so there was, um, like one person who got an A on the test, at least one person in each group, or on the midterm I mean, so I think it was good to kind of, um, like, level the playing field (inaudible—kind of thing?).

Well it was detrimental in that sometimes—it's like—it was hard to work out our schedules and we had some people who, like, had work so they couldn't show up until very late at night which was annoying, but, um, I think it was good because to was good to get to know people in the class and we kind of helped each other study for the midterm and I didn't know anybody in the class before that. So the fact that he assigned groups was really good and just getting to know everybody and having people help you work on the project made it more fun.

I thought for a group, for a group assignment this was a good assignment to choose group work with because people can bring in their different talents to utilize to, uh, kind of get to a common goal, so I thought that was good with the group work and then I couldn't really think of anything that's detrimental to the assignment other than people in the group that weren't pulling their weight.

Do you have	FANR	Other than the stuff I said at the beginning, not much. I
any other	1200 2015	was very happy with it and I would recommend them
comments on		doing it again.
the karaoke		

video exercise?

I thought it was pretty fun, I would do it again.

No, I just liked it, it was fun to do and I think that it's a good assignment for this type of class because—um—it's not—it's just—I think it's a good assignment for people who are interested in science, that's why I took the class—um—like, you know, who aren't going to major in it or something like that, so I think it's a really good assignment for those people, it's not overwhelming or anything.

FANR

1200 2016

I think it was overall a good project, um, I think maybe, uh, he did ask if, um, maybe another exam would have been, like, more beneficial I think maybe it would, like, for people who maybe need more help with their grades but I think overall it was pretty simple and, um, kind of fun project for us to do.

FYO

Spring

2016

I don't think so. It was fun. That was about it.

I thought it was a really like fun activity and a good way to learn information.

FYO Fall

Nope.

No, no.

I don't think so--I--just mine didn't really turn out how I wanted but I did the best that I could so. I feel like it could have been more fun for me if wasn't just trying to figure out just how to use—like—like Windows movie maker.

WILD
8680

I think it is a great attempt, but like maybe-maybe it is not suitable for everyone. It is not everyone who is into music or different kind of education, so yeah for me I like it because I am-I am open to all kind of different way to learn.

Um-I don't think so.

Um-I can say I was surprised-um-how fun it was. I was a little skeptical at first and I thought-honestly I thought it was a little corny, but then I made it and it was a pretty cool activity and I could see it helping a lot in terms of environmental education and things like that, so I see it as being a tool that could be used for environmental education and things like that.

How did seeing your video	FANR 1200 2015	At first I was a little nervous seeing it put all together, but after it was really fun and funny and it was fun to
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in class make
you feel?

see my other friends and theirs and which one they did
and which songs they chose.

I thought it was pretty funny actually. Watching all of
the videos gave everybody a good laugh and I felt good
about it. Cause I feel like we did a good job and got it
properly accomplished and got a good turnout.

Awkward. It was pretty entertaining, though, so I think
it was really well worth it though

I hate hearing my own voice, so very nervous,
admittedly. Again with the whole I don't really like
singing, I wish that people couldn't hear me. It made
me very nervous.

Um—it was, uh, like mildly embarrassing I would say,
but I liked that it was anonymous, um, he didn't really
say, like, who, he didn't like put our names on the

FANR videos or anything, so I liked that and I liked getting to

1200 2016 see, like, what everyone else did and everything, um,
and, yeah so—I—I think it was good, I enjoyed
watching them in class, but I think it's better than
having to, like, go up there and sing or anything.

Kind of—it's just—a little embarrassing just because
it's funny, but um, it was good it was cool to see it in

class and I liked going that day because some of the videos were really funny and then some people were really talented in their singing and I didn't know that either, so, that was a fun day.

It was—it was just kind of funny because we knew it wasn't the best video but it was still funny to watch other peoples and kind of like chuckle at each other because we knew they weren't the best, but, it was still fun.

Embarrassment but I think that was just because of the fact that I was singing in front of a total stranger, but

FYO other than that-um-I was kind of proud of my work and
Spring how-like I put the information into a lyric form-seeing
2016 how that has nothing to do with my major or like I am
not-I am not that creative, but it was fun to see my
finished work in a video.

I didn't mind it at all, but it was-they were funny and he removed whoever's name was on the video so nobody had to know, but-um-I knew it wasn't too hard to figure out but it didn't bother me so I found it enjoyable and I like listening other peoples' videos so I didn't mind.

It was like-it made me feel-like-a little uncomfortable

just like hearing my voice singing this song in front of everybody because I normally would not do that ever, but I also thought it was pretty funny, and everybody else laughed at there's and ours like everybody had a fun time watching them all. So I didn't feel bad at all. A little awkward, yeah, but I was proud of the video so I wasn't, I didn't mind sharing it at all and you know obviously people thought it was good so they clapped for me and I was like 'yay' like I worked hard on it so like I'm ready to show it.

FYO Fall
2016

Uncomfortable, probably. Um--just because we had to sing out loud for our video and so it was just is kind of something—I-I don't think it should be mandatory to showing—or to show the rest of the class. Um—I think that should have been more of a volunteer thing like if you want it to be seen by others—um—then absolutely, yes, it can be seen, but, yeah.

WILD
8680

Make me feel-how it make me feel-it make me feel good.

Oh my gosh, mortified. I mean it was the same for everybody, so like it wasn't just me, but I think we were all pretty much just like ashamed of our singing

abilities mostly.

I was proud because I actually put work into it um and I actually sing so it was kind of like a cool activity for me to record myself and all that kind of stuff, so I felt pretty good about it. Um-I know a lot of other people were kind of cringing, but I kinda felt pretty good about it.
