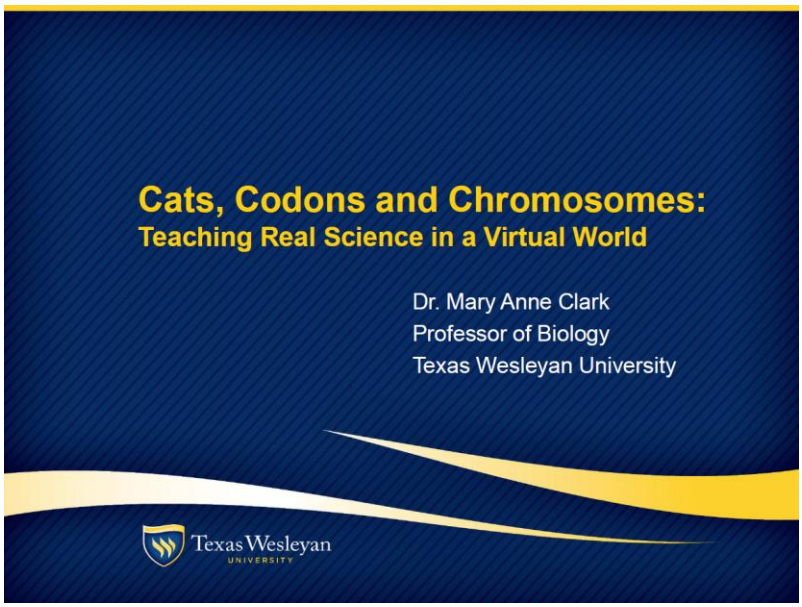
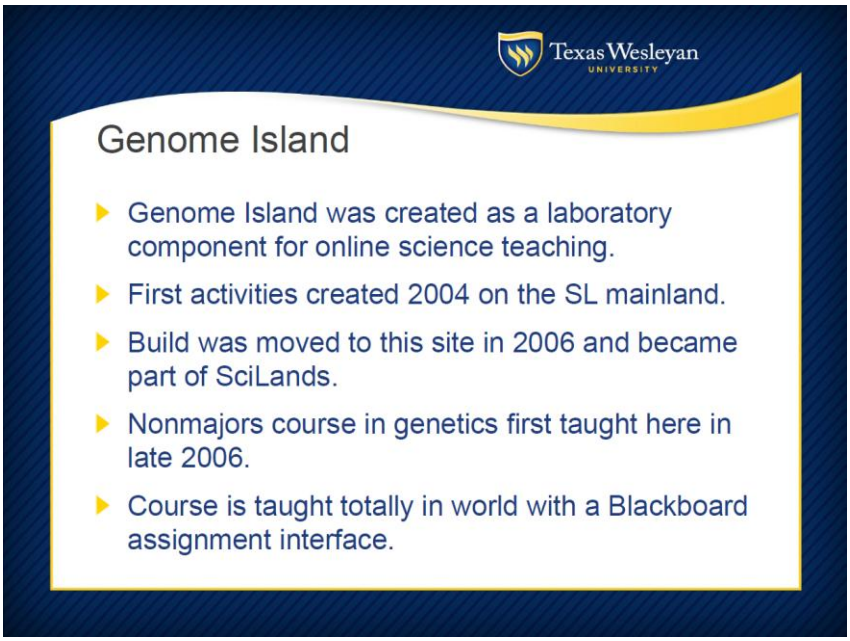
Chat Record of MIWSE presentation on Genome Island 10/12/2013

Attendants: Shailey Garfield, Patio Plasma, antoinette84 Resident, Sophieclea Resident, comet Morigi, Vic Michalak. Yan Lauria, DanHayase Resident, Svea Morane, Jes Cobalt, Nymf Hathaway, comet Morigi, Giovanni Tweak, Vulcan Viper

[07:00] Yan Lauria: Then
[07:00] Yan Lauria: time to start
[07:01] Yan Lauria: Ladies and gentlemen
[07:01] Max Chatnoir: OK, just follow me down to the Science Theatre.
[07:01] Yan Lauria: Now we start 8th MIWoSE: Workshop on Science Exhibit in online 3D Environment
[07:02] Yan Lauria: I'm a curator of Abyss Observatory and an organizer of this workshop.
[07:02] Max Chatnoir: Have a seat!
[07:02] Max Chatnoir: Little red seats up there.
[07:02] Yan Lauria: MIWoSE workshop has 4 purposes. Please see MIWoSE web page
[07:03] Yan Lauria: http://aquarobo.com/abyss/MIWoSE.htm
[07:03] Yan Lauria: Today's speaker is Max Chatnoir,
[07:03] Yan Lauria: Professor of Biology, Texas Wesleyan University, Creator of Genome Island
[07:03] Yan Lauria: Title is "Cats, Codons and Chromosomes: Teaching Real Science in a Virtual Laboratory"
[07:03] Yan Lauria: Then, Max please!
[07:04] Max Chatnoir: Thanks, Yan!
[07:04] Max Chatnoir: Welcome to Genome Island.





[07:04] Max Chatnoir: I just want to give you a little background

[07:04] Max Chatnoir: and then we will visit some of the activities on the island.

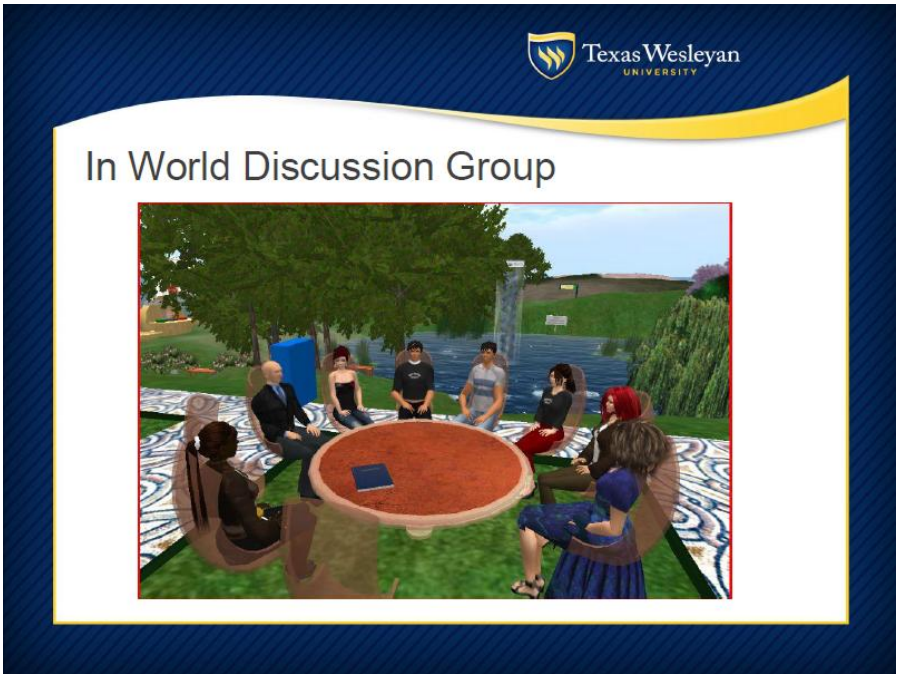
[07:05] Max Chatnoir: I have been teaching here on Genome Island since 2006, when the activities were moved here from the original location on the SL mainland.

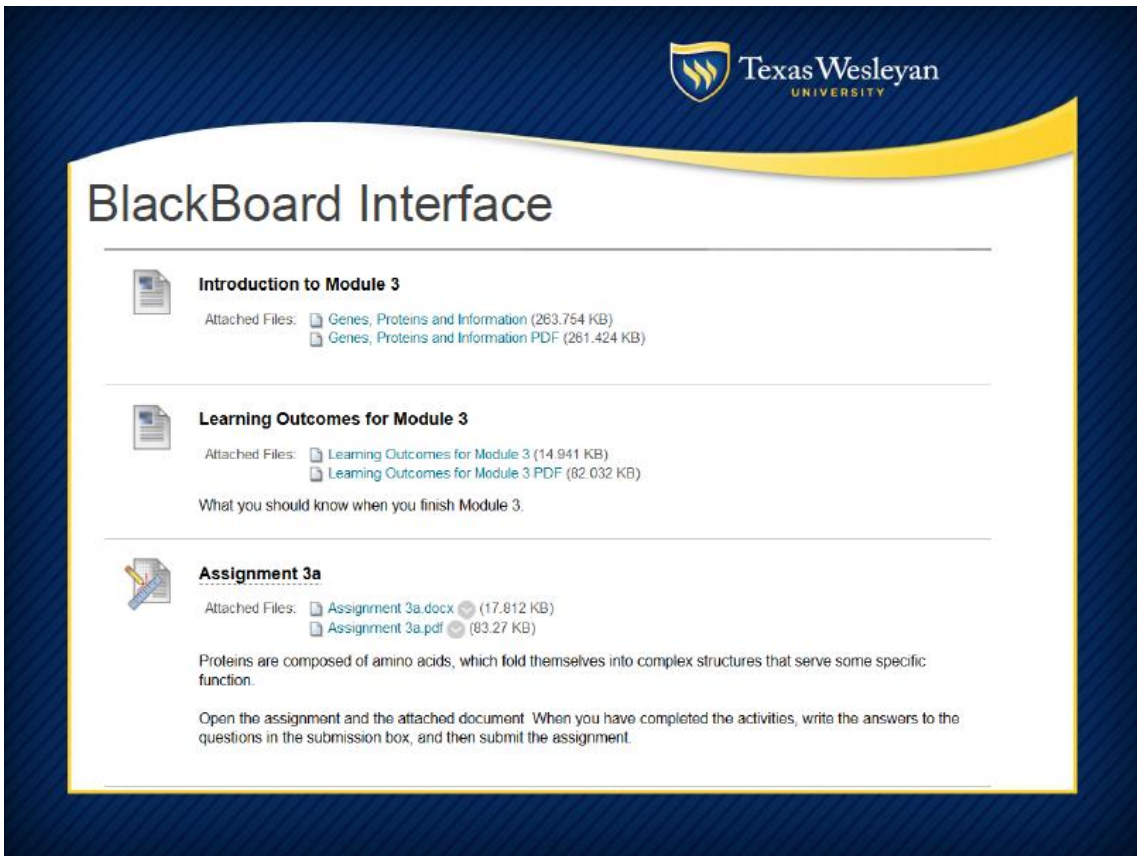
[07:05] Max Chatnoir: The main course that I teach here is a genetics course for nonmajors.

[07:06] Max Chatnoir: and it is done fully in world.

[07:06] Max Chatnoir: All of the course content is on the island,

[07:06] Vic Michalak: [You had to be one of the first SL pioneers!]





[07:06] Max Chatnoir: with a little bit of introduction on **blackboard**.

[07:07] Max Chatnoir: I started building here soon after I heard about SL!

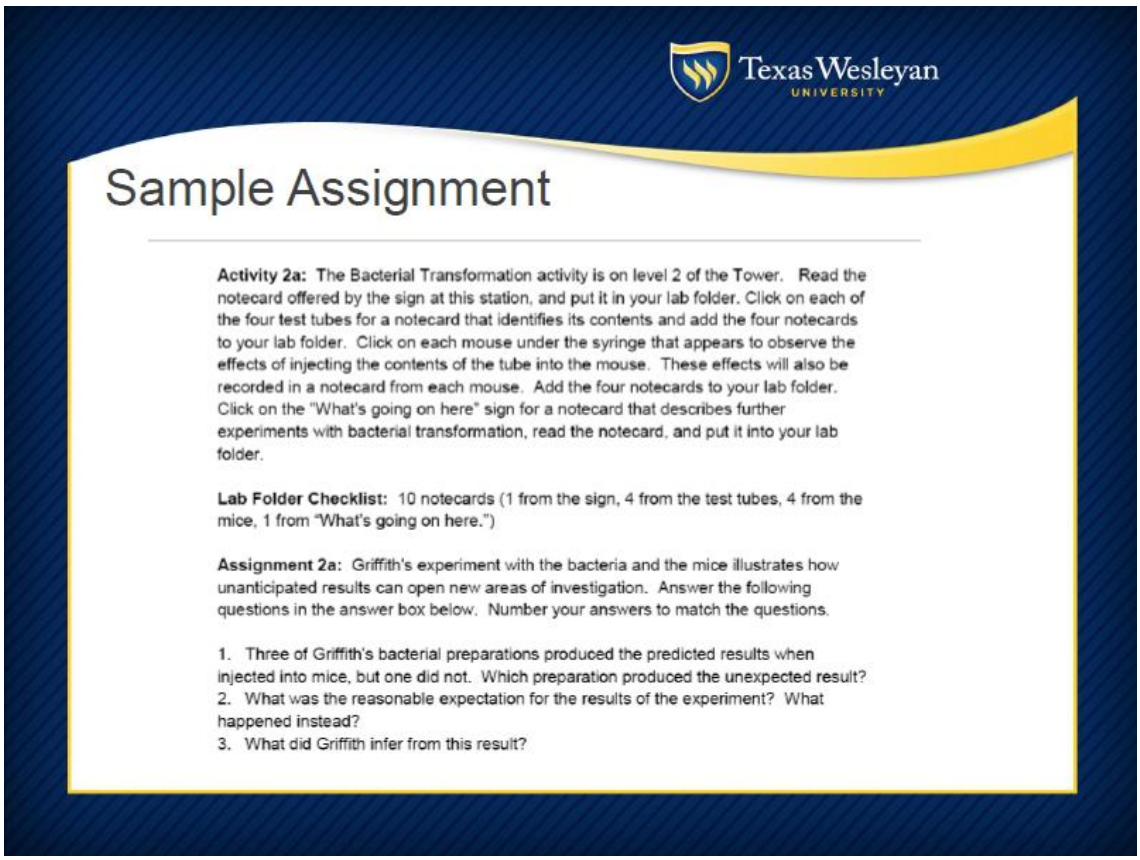
[07:07] Max Chatnoir: It seems like the perfect place to do online science teaching.

[07:07] Max Chatnoir: The class meets once per course module for group discussion,

[07:07] Max Chatnoir: so that I can keep track of them.

[07:08] Max Chatnoir: I have multiple discussion times and they just pick the one that works for them.

[07:08] Max Chatnoir: The course is interfaced with Blackboard, where I keep the assignments and grading records in a more secure environment.



[07:09] Max Chatnoir: That is just part of a **class assignment**.

[07:09] Max Chatnoir: I tell them where the activity is located and what to do, what info to collect and so forth.

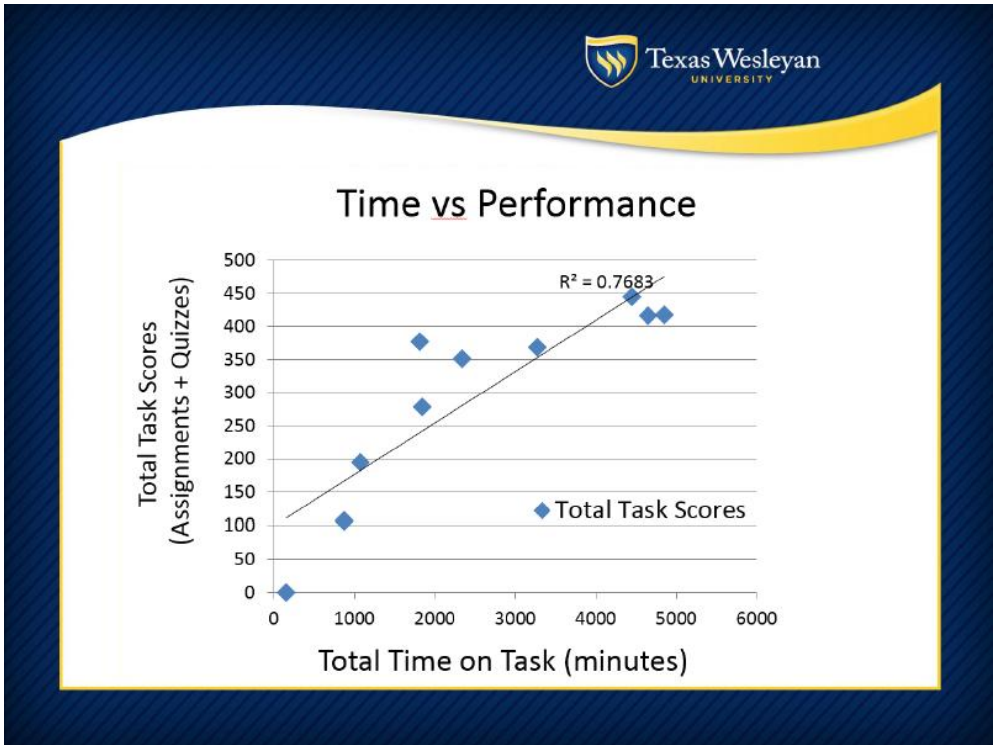
[07:09] Max Chatnoir: Then they have some questions to answer related to the activities.

[07:10] Max Chatnoir: I also keep track of their activity on the island.

[07:10] Max Chatnoir: I used to use Maya Realities visitor tracking, but I'm going to have to find a new one.

[07:10] Max Chatnoir: In addition, I have reporter objects in each activity, so I know who

is doing what when.



[07:11] Max Chatnoir: This is just some data from a presentation I did recently on student performance as a function of time on task.

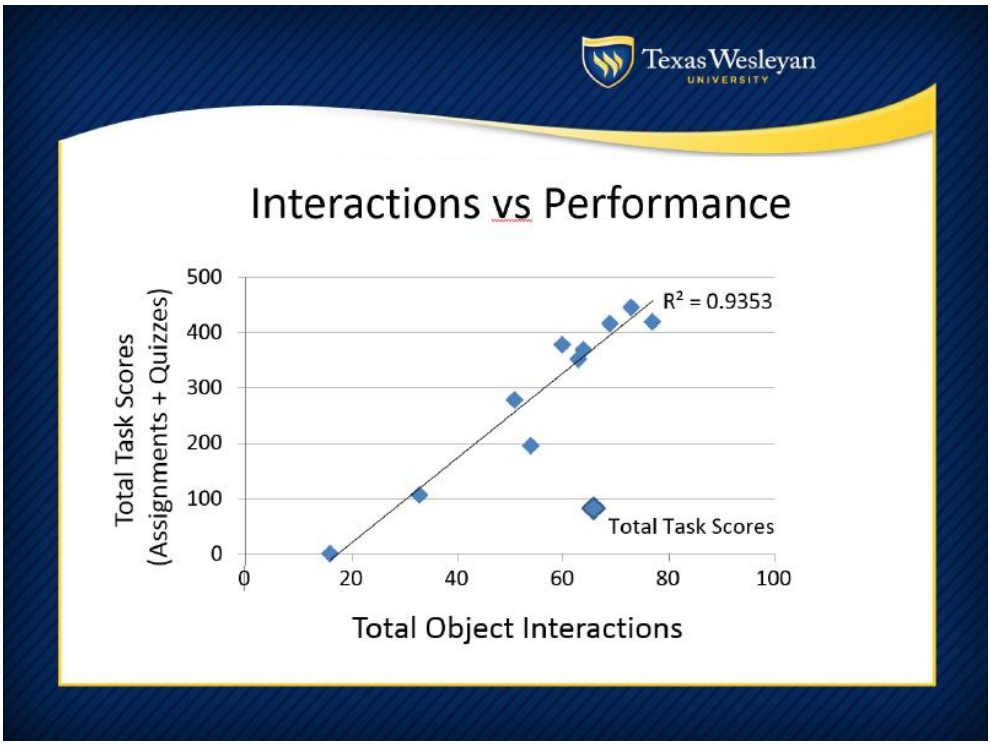
[07:11] Max Chatnoir: Generally they do better if they spend more time engaging with the materials!

[07:11] Max Chatnoir: Big surprise there.

[07:11] Yan Lauria: aha

[07:11] Max Chatnoir: So that is performance on the Y axis and time on task on the X.

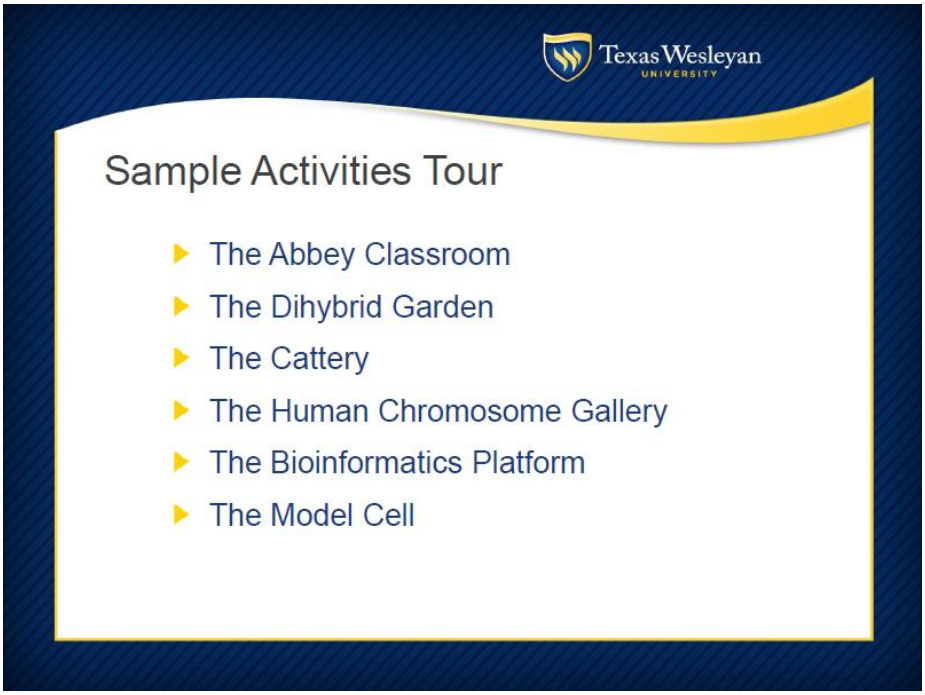
[07:12] Vic Michalak: ? -- looks like article material...



[07:12] Max Chatnoir: And **object interaction** predicts performance even better!

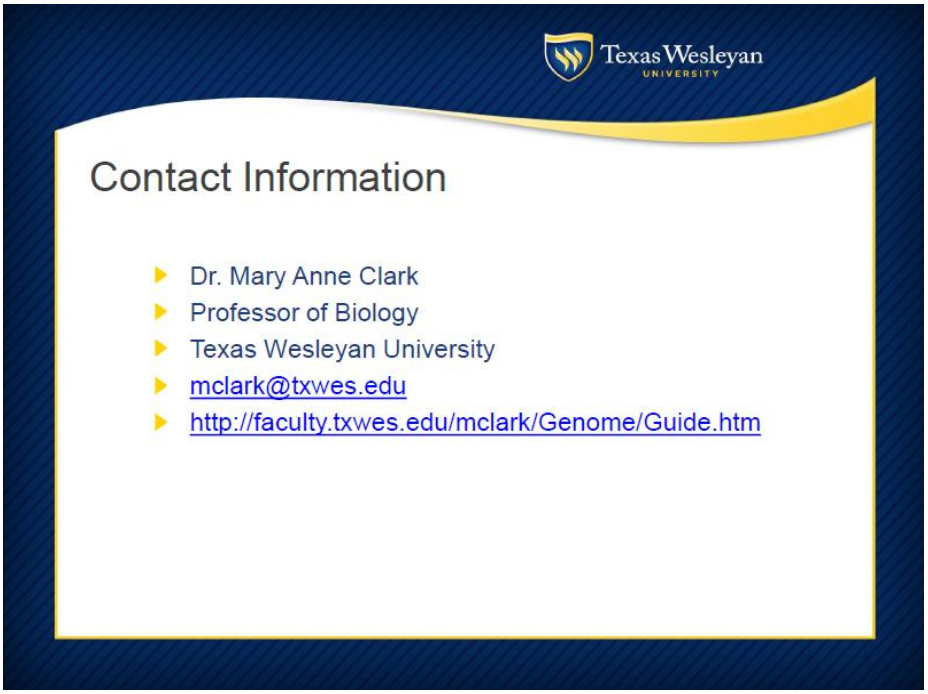
[07:13] Max Chatnoir: So I thought I would take you around the island to look at an example of the different activities that students can use.

[07:13] Vic Michalak: Maya Realities: http://www.slideshare.net/hackshaven/maya-realities-overview-319897



[07:13] Max Chatnoir: There is no fixed path for learning on Genome.

[07:13] Max Chatnoir: Instructors can construct their own order of activities.



[07:13] Max Chatnoir: And I have a set of sample guidelines on the Guide to Genome.

[07:14] Max Chatnoir: And the URL for that is here.

[07:14] Max Chatnoir: You can also get the URL from the Landing Point. That lists all

of the activities around the island.
[07:14] Max Chatnoir: The island is public access, and other people do bring classes here.
[07:15] Max Chatnoir: I don't even know who all of them are, but I'm happy that people find it useful.
[07:15] Max Chatnoir: :-)
[07:15] Shailey Garfield: That's great
[07:15] Max Chatnoir: OK, so we can proceed to the Abbey and I'll show you one of the discussion spaces.
[07:15] Vic Michalak: That is a spectacular education plan!
[07:16] Yan Lauria: oh!
[07:16] Max Chatnoir: I'll wait until everybody gets back in chat range.
[07:16] Yan Lauria: nice^^
[07:17] Max Chatnoir: Let me TP Comet down here.
[07:17] Max Chatnoir: I love this expanding table!
[07:17] Max Chatnoir: I wish I had one in RL.
[07:18] Max Chatnoir: I often start class discussions here, because it is a familiar looking classroom space.
[07:18] Vulcan Viper: Me too.
[07:18] Max Chatnoir: Especially during the orientation period.
[07:18] Vulcan Viper: This is the first square example I'm seeing.
[07:18] Vulcan Viper: I've seen 2 others that were both round
[07:18] Shailey Garfield: same here; I have seen round ones before.
[07:18] Max Chatnoir: I start with about 10 days of orientation, and that seems to be long enough get the students comfortable.
[07:19] Max Chatnoir: And then we start with the content.
[07:19] Shailey Garfield: by orientation - is it only SL orientation or use of the island too (induction)?
[07:19] Max Chatnoir: It is both.
[07:19] Max Chatnoir: I take them around the island with the Scavenger Hunt, that asks them to do the various tasks --
[07:20] Max Chatnoir: communication, navigation, making and saving data notes, and so forth.
[07:20] Vic Michalak: Plus it sounds like some flexibility with the students - they have a goal but are challenged to find things and interpret them and go as groups maybe also?
[07:20] Max Chatnoir: and I give them all a school T shirt so they can recognize each other.
[07:20] Vic Michalak: Ah, good idea since it is public and they may not know their SL personas
[07:20] Max Chatnoir: Yes, they sometimes work in groups.

[07:21] Max Chatnoir: And I list all of the avatars on Blackboard, so they can be friends with everybody in the class.
[07:21] Antoinette Noble: Sorry, I may have missed this - how many students in the class?
[07:21] Max Chatnoir: This semester I have 17
[07:21] Vic Michalak: Do you have an SL group for your class or university?
[07:21] Antoinette Noble: Thanks!
[07:21] Shailey Garfield: Are they at the same place in RL when they come in SL?
[07:21] Max Chatnoir: And that is a typical class size for this class.
[07:22] Max Chatnoir: No, they are all over the place.
[07:22] Max Chatnoir: And they rarely have any previous SL experience.
[07:22] Vic Michalak: Then a real telepresence experience..
[07:22] Max Chatnoir: Yes, they mostly work asynchronously. The only synchronous activity is the group discussions.
[07:23] Vic Michalak: Have you had problems with the issue of them identifying with their avatar or that other avatars really represent other students?
[07:23] Max Chatnoir: There are other more casual meeting places for large and small groups around the island.
[07:23] Yan Lauria: do they all have PC with graphic board?
[07:23] Max Chatnoir: Yes, they have to have a computer that will run the browser,
[07:23] Vic Michalak: That can be a problem in synchronous interactions...
[07:23] Max Chatnoir: in order to take the course.
[07:24] Max Chatnoir: We have many choices for science courses, so I can restrict the class to people who can run the software.
[07:24] Vic Michalak: Max... Did you have a problem at first with identifying your avatar as the teacher? I found that problem the first time I did a class in SLin 2008
[07:24] Max Chatnoir: I've had students try to do it with borrowed or school computers, but it doesn't work well with scheduling for them.
[07:24] Vulcan Viper: A computer that will run the browser? Surely browsers can run on *any* computer nowadays.
[07:24] Max Chatnoir: You mean with them not knowing who the teacher was?
[07:25] Max Chatnoir: I don't think SL runs well on some tablets, which a lot of students have now.
[07:25] Vulcan Viper: Oh, SL viewers.
[07:25] Vic Michalak: Yes, or with less direction capability -- they kind of do their own thing -- but your lessons sound pretty structured, with some flexibility in approach
[07:25] Max Chatnoir: Yes.
[07:26] Vic Michalak: Less structured tasks like building can be challenging...
[07:26] Max Chatnoir: Yes, the assignments are structured.
[07:26] Max Chatnoir: The amount of building they do is limited.

[07:26] Yan Lauria: Shailey, please sit down. this table is interesting^^

[07:26] Vic Michalak: [Wonders what happens when the table expands to larger than the building... :)]

[07:26] Max Chatnoir: I give them a pedigree kit for constructing a family pedigree, and they do a slide presentation, but that is about the extent of their building.

[07:27] Max Chatnoir: The table stops at 40. :-)

[07:27] Max Chatnoir: Which will just fit.

[07:27] Shailey Garfield: Yan: I have had problems with sitting both outside and here. Thanks.

[07:27] Vic Michalak: Good thing! Some table genetic programming...

[07:27] Max Chatnoir: OK, we can go outside to see the Dihybrid Garden.

[07:27] Patio Plasma: The yellow task cubes seem to have well thought out assignments

[07:27] Vulcan Viper: :)

[07:28] Max Chatnoir: This is one of the Mendelian Inheritance activities.

[07:29] Max Chatnoir: The students click on the garden to get a set of progeny

[07:29] Max Chatnoir: And the results go into the Chat Record.

[07:29] Vic Michalak: Did you have a programmer at your university do these exhibits? Or a colleague? Or did you hire someone?

[07:29] Max Chatnoir: No, I bumbled my way through scripting!

[07:29] Vic Michalak: Very nice!

[07:29] Max Chatnoir: This script started out as a light bulb. :-)

[07:29] Tulpa: Impressive!

[07:29] Antoinette Noble: Wow!

[07:30] Max Chatnoir: I'm still not a good scripter, but I can do basic stuff.

[07:30] Max Chatnoir: Genetics lends itself to simple scripter, because it is math based.

[07:30] Max Chatnoir: If you click on the rotating white sign,

[07:30] Max Chatnoir: That gives instructions for the activity and background information,
[07:31] Vulcan Viper: Is that rotating sign supposed to take one to a slideshare page?
[07:31] Max Chatnoir: and also links to a spreadsheet for data analysis.
[07:31] Max Chatnoir: Yes.
[07:31] Vulcan Viper: Just asking because weblinks seem to be a bit dodgy on my computer.
[07:31] Max Chatnoir: I usually have the URLs pop up after the notecards.
[07:31] Vulcan Viper: As it did for me.
[07:31] Vic Michalak: Max... you are giving me some wonderful ideas for how to turn our STEM Island into a real learning space!
[07:32] Max Chatnoir: Best to open them outside of the SL frame.
[07:32] Max Chatnoir: happy to hear that, Vic!
[07:32] Vulcan Viper: I already have his viewer open weblinks outside itself.
[07:32] Max Chatnoir: So this is one kind of activity.
[07:32] Max Chatnoir: We can walk down the hill to visit the cats.
[07:33] Max Chatnoir: This is an activity that illustrates the inheritance of a sex linked trait.
[07:33] Vic Michalak: So that's where tigers come from! ?
[07:34] Max Chatnoir: Each cross gives a different set of results.
[07:34] Max Chatnoir: And there is also a slideshow that explains the patterns.
[07:34] Max Chatnoir: And another link to a spreadsheet for that data.
[07:35] Max Chatnoir: This is actually a sort of hommage to Judith Kinnear's great CatLab simulation.
[07:35] Shailey Garfield: Beautiful
[07:35] Max Chatnoir: OK, over to the right, is a big lollypop teleporter.
[07:36] Max Chatnoir: That will take us to the Chromosome Cafe.
[07:36] Max Chatnoir: go ahead and I will follow you all up.
[07:38] Vulcan Viper: Maybe that teleporter needs to push a little less firmly. ;)
[07:38] Chantal: we all know sl ? with hick ups :)
[07:39] Vic Michalak: I will have a chromosome latte with a double scoop of longevity genes on the top, please!
[07:39] Vulcan Viper: You realize you're typing this into an IM to me...?
[07:39] Max Chatnoir: EEK!
[07:39] Max Chatnoir: thanks!
[07:39] Max Chatnoir:

[07:37] Max Chatnoir: This is the gallery of human chromosomes.
[07:37] Max Chatnoir: all of the 24 human chromosomes are represented here, sized more or less to scale.
[07:38] Max Chatnoir: Each chromosome will give you info about one gene and show

you its location, and recently I added a link to a list of other genes for each chromosome.

[07:38] Max Chatnoir: The mitochondrial chromosome is NOT to scale of course.

[07:38] Max Chatnoir: It would be too smaller to find easily.

[07:39] Max Chatnoir: Yes, teleporters can sometimes be cranky.

[07:39] Chantal: aaaaw reads

[07:39] Max Chatnoir: Sorry, I just typed a whole chunk of text to Vulcan in IM.

[07:40] Yan Lauria: aha

[07:40] Vulcan Viper: An IM to *me*, curiously enough. :)

[07:40] Max Chatnoir: But this is the chromosome gallery. I will let you catch up a little.

[07:41] Shailey Garfield: This is inspiring and fantastic, Max

[07:41] Max Chatnoir: Thanks!

[07:41] Chantal: is impressed as well

[07:41] Max Chatnoir: So we'll walk up a few levels to see some chromosome comparisons.

[07:41] Vulcan Viper: I wonders if Chantal knows how to use /me.

[07:41] Vic Michalak: Reminds me vaguely of the sim with the rockets (Space Alpha, etc.)... ?

[07:42] Max Chatnoir: One of the interesting things that came out of sequencing lots of different genomes was that many genes in vertebrates tend to hang together in clusters.

[07:43] Max Chatnoir: So these charts show how the human arrangement compares to that of some other species.

[07:44] Max Chatnoir: The Chromosomal Syntenies links out to the ENSEMBL web site, where you can compare a human chromosome to that of many other species.

[07:44] Max Chatnoir: That one is always fun.

[07:44] Shailey Garfield: yes, it surely would be fun.

[07:44] Max Chatnoir: From here we can teleport to the Bioinformatics Platform.

[07:46] Vulcan Viper: HAL? Now, there's a famous name. :)

[07:47] Vulcan Viper: I wonders what these keyboards were originally for.

[07:49] Vic Michalak: There is a treasure of information here for the curious visitor!

[07:50] Yan Lauria: Max, are you talking in local chat?

[07:50] Max Chatnoir: Oops, I did it AGAIN!

[07:50] Max Chatnoir: Hold on...

[07:50] Yan Lauria: ahahaha

[07:51] Max Chatnoir:

[07:45] Max Chatnoir: See the teleport?

[07:46] Max Chatnoir: Right here.

[07:47] Max Chatnoir: There are several different bioinformatics activities up here.

[07:47] Max Chatnoir: This one here shows how the red and green genes for human

color vision are related.

[07:48] Max Chatnoir: And there are some common color vision tests, although I'm sure that color variations in computers make them work a little funny.

[07:48] Max Chatnoir: There is also another slideshow that explains inheritance of color vision.

[07:49] Max Chatnoir: And the sign takes you out to a web site where you can compare the red and green color receptor proteins and see how similar they are.

[07:50] Max Chatnoir: That pedigree was actually from another faculty member at my school.

[07:51] Max Chatnoir: Sorry about that.

[07:52] Vulcan Viper: I have caught up.

[07:52] Max Chatnoir: OK, I think I am back in regular chat now!

[07:52] Tulpa: Welcome back

[07:52] Vulcan Viper: Yes, you are.

[07:52] Shailey Garfield: yes, Max

[07:52] Max Chatnoir: OK, in this corner is another teleport to the cell model.

[07:53] Max Chatnoir: I don't really use it in my genetics class, but other people do. :-)

[07:53] Max Chatnoir: And it's kind of fun.

[07:53] Max Chatnoir: Sorry, Shailey. I took me a while to spot your TP request.

[07:54] Max Chatnoir: This teleport takes us to the cell.

[07:54] Shailey Garfield: Please don't worry, Max. Chantal got me in.

[07:54] Patio Plasma: Instructors are like the ringmasters of a 3 ring circus of chat, IM's et al.

[07:55] Max Chatnoir: Everybody see this teleport?

[07:55] Vulcan Viper: MIWSE TELEPORT Cell Model?

[07:55] Max Chatnoir: Yes.

[07:55] Vulcan Viper: Then I see it.

[07:55] Max Chatnoir: That is our next location.

[07:56] Vulcan Viper: I think these teleporters are a bit too enthusiastic for his taste.

[07:56] Max Chatnoir: I moved the cell model up here.

[07:56] Max Chatnoir: Are the teleporters thumping you, vulcan?

[07:56] Max Chatnoir: Just click on the big red arrow to get up to the cell model.

[07:56] Max Chatnoir: And you can actually get inside of it.

[07:57] Vic Michalak: I have always loved the cell model -- you had that down on the ground for a long time.

[07:57] Max Chatnoir: Yes, I did.

[07:57] Max Chatnoir: When I made the bigger model, I moved it up here.

[07:57] Shailey Garfield: The funding body was so impressed with the cell when I first showed it to him in 2010 and which got us the funding, Max

[07:58] comet Morigi: this reminds me of an old 3D OMNI MAX CG by Fujitsu.

[07:58] Max Chatnoir: That's great, Shailey!
[07:58] Max Chatnoir: You can get into the cell, and then click on the nucleus to get into that.
[07:58] Patio Plasma: totally fun way to explore a cell Max!
[07:59] Max Chatnoir: but you have to click on the exocytotic vesicle to get OUT!
[07:59] Max Chatnoir: There are several of them.
[08:00] Max Chatnoir: The nucleus level lets you walk in and out of the nucleus.
[08:00] Max Chatnoir: and there are exocytotic vesicles up here also.
[08:00] Max Chatnoir: One of the endocytotic vesicle will pop you into a phagosome when it works right.
[08:00] Max Chatnoir: It's a little tricky.
[08:01] Vulcan Viper: I wants to post to his profile feed, but SL keeps failing at it.
[08:01] Max Chatnoir: The exocytotic vesicles are all blue and near the plasma membrane.
[08:02] Max Chatnoir: the organelles in here are also more or less to scale, although the molecules are not.
[08:02] Max Chatnoir: Like the ATP that comes out of the mitochondria is bigger.
[08:03] Max Chatnoir: There is an exocytotic vesicle right over here.
[08:03] Max Chatnoir: And this is the last stop on our tour, but I'm happy to answer more questions or show you other stuff.
[08:03] Vic Michalak: Great place to end the tour!
[08:03] Vulcan Viper: I don't see "leave cell", only "enter cell".
[08:04] Max Chatnoir: It's this blue bubble right above me, vulcan.
[08:04] Vic Michalak: What other things would you recommend for visitors to Genome Island -- "must sees"...
[08:04] Shailey Garfield: Yes, indeed Vic.
[08:04] Tulpa: This is marvelous Max :)))))) Love it!
[08:04] Patio Plasma: `There is so much to see and explore here!
[08:05] Vic Michalak: Max... this is a wonder. You have done an awesome job here, both in building and scripting but also in real education!
[08:05] Max Chatnoir: And then the red arrow takes you back to the platform.
[08:05] Patio Plasma: A great example of virtual world assisted learning of a complex subject
[08:05] Max Chatnoir: Thanks, Vic!
[08:05] Vic Michalak: I am certain that only the most jaded of students would not want to learn from this...
[08:05] Shailey Garfield: It is great and one of the three favorite spaces in SL: Abyss and Exploratium being the other two.
[08:05] Max Chatnoir: I think SL is a great place to teach. and my students seem to enjoy it.

[08:06] Vic Michalak: It is a great way to literally immerse students in what could be an abstract topic (cannot see directly and too small).
[08:06] Vulcan Viper: Let's focus on the positive. Shall we, Vic? ;)
[08:06] Max Chatnoir: Yes, I've had people say that this model really helped them understand cells.
[08:07] Max Chatnoir: HAHA, vic is riding on a mitochondrion!
[08:07] Vic Michalak: And the whole concept of inheritance and chromosomes/genes
[08:07] Max Chatnoir: You can do that, too!
[08:07] Vic Michalak: Do you still have the llamas?
[08:07] Shailey Garfield: yes, Vic
[08:07] Max Chatnoir: I do! Would you like to see them?
[08:07] Patio Plasma: It takes some students a decade or more to realize the best parts of their education, even regular university classes are a shock to many of them.
[08:07] Shailey Garfield: The 3D model of the cell makes the concepts memorable
[08:07] Vulcan Viper: I see many of you outside of the cell.
[08:07] Vulcan Viper: How did you get back there?
[08:08] Max Chatnoir: Look for the blue bubble.
[08:08] Max Chatnoir: Exocytotic vesicle.
[08:08] Max Chatnoir: Click on it to get out.
[08:08] Max Chatnoir: You can also just do a short range map teleport.
[08:08] Svea Morane: Max, this is a fabulous space, very well thought out and executed. Congratulations.
[08:08] Max Chatnoir: I'll come in and show you where it is.
[08:08] Svea Morane: Thank you for sharing it
[08:09] Max Chatnoir: My pleasure. I love for other people to come here.
[08:09] Vulcan Viper: Found it!
[08:09] Max Chatnoir: There you go!
[08:09] Vulcan Viper: Thank you.
[08:09] Vic Michalak: I think I will return here (you have changed things around since I last visited) so I can bring my Virtual Environments class here for some lessons and tell other profs as well, along with the Abyss and Splo/Exploratorium, etc.
[08:09] Vulcan Viper: The text did just read LEAVE.
[08:09] Vic Michalak: Max... has ISTE/VSTE taken a scheduled tour of Genome Island yet?
[08:09] Patio Plasma: Max thanks for the guided tour of your awesome sim!
[08:09] comet Morigi: Yan, Do you remember Fujitsu Universe a dome-projection 3D CG at EXPO ?
[08:10] Max Chatnoir: Not recently.
[08:10] comet Morigi: that was like this cell model.
[08:10] Max Chatnoir: I've just added the population genetics simulation

[08:10] Max Chatnoir: created by Stephen and Kira.
[08:10] Yan Lauria: I forgot, comet
[08:10] Max Chatnoir: It's really nice.
[08:10] Vulcan Viper: Here you can see things floating around, rather than on a screen.
[08:10] comet Morigi: http://www.cabinet-cbc.ed.jp/db/rika_cd/shisetu/m_html/51-0002.htm
[08:10] Vulcan Viper: I think that's better.
[08:10] Shailey Garfield: Max, many thanks, I will also come back again. In fact, I come here quite often but there are some new artifacts that I hadn't seen before.
[08:10] Max Chatnoir: Great!
[08:11] comet Morigi: almost the same concept of CG.
[08:11] Vulcan Viper: Curious page this.
[08:11] Max Chatnoir: Yes, I remember a big cell model at the Franklin Institute in Philadelphia.
[08:11] Yan Lauria: Max, do you create all exhibits by yourself?
[08:11] Vic Michalak: Thanks for the tour and thank you again to Yan for sponsoring these MIWoSE tours!
[08:11] Max Chatnoir: You could walk around in it.
[08:11] Vulcan Viper: The encoding doesn't seem to work.
[08:11] Max Chatnoir: Oops, something not working/
[08:11] Vulcan Viper: Yes.
[08:11] Patio Plasma: Thanks Yan, a great series.
[08:12] Max Chatnoir: I recently moved this cell, so I may need to adjust a script.
[08:12] Max Chatnoir: What isn't working, Vulcan?
[08:12] Shailey Garfield: Yes, this is a great initiative by Yan. Thanks a lot, Yan.
[08:12] Vulcan Viper: I would guess the page at the URL posted last is in an Asian language, but the encoding for it (that's supposed to let the browser know) is missing.
[08:12] Yan Lauria: I always learn from all
[08:12] Svea Morane: Thanks for the adventure this morning ;) It is a real treat. I am off to other things and will enjoy coming back here. Have a great day all ;)
[08:13] Vulcan Viper: Indeed! Thank you!
[08:13] Max Chatnoir: Yes, thanks for inviting me to do this tour.
[08:13] Max Chatnoir: come back any time.
[08:13] Shailey Garfield: Thanks a lot, Max.
[08:13] Yan Lauria: Then before you leave, lets take snapshot!
[08:13] Patio Plasma: Thanks Max always a pleasure
[08:13] comet Morigi: The page is in Japanese, about the program from Osaka EXPO 90
[08:13] Max Chatnoir: Likewise!
[08:13] Chantal: Thank you Max and Yan, this was most impressive!
[08:13] Yan Lauria: gather around Max

[08:13] Max Chatnoir: Ah, OK.

[08:14] Max Chatnoir: Can you get out, Vic?

[08:14] Yan Lauria: turn back

[08:14] Shailey Garfield: Vic is in the cell.

[08:14] Vic Michalak: tp please?

[08:14] Yan Lauria: pls look me

[08:14] comet Morigi: http://www.yebizo.com/jp/forum/words/img_words/ohguchi_words_002.jpg

[08:14] Vulcan Viper: Vic! The cell you need was to your right, last I looked.

[08:15] Yan Lauria: for photo

[08:15] Yan Lauria: please turn back

[08:15] Yan Lauria: Max please

[08:15] Vulcan Viper: Like this?

[08:16] Yan Lauria: ok

[08:16] Vulcan Viper: Oh, I see.

[08:16] Patio Plasma: nice shot thanks

[08:17] Shailey Garfield: Yan's polarid works really well.

[08:17] Max Chatnoir: Lovely!

[08:17] Yan Lauria: do you all get snapshot?

[08:17] Max Chatnoir: Thanks very much.

[08:17] Yan Lauria: ok

[08:17] DanHayase Resident: Thank you

[08:17] Max Chatnoir: Bye, you all.

[08:17] Max Chatnoir: And thanks for coming.

[08:17] DanHayase Resident: Bye

[08:17] Tulpa: Thank YOU Max

[08:17] Shailey Garfield: thanks a lot, Max

[08:17] DanHayase Resident: Thank you for today
[08:17] Vic Michalak: One day students will not know what a polaroid is... shame...
[08:17] Yan Lauria: Thank you Max
[08:18] Yan Lauria: Next place is at Oddprofessor's Museum and Science Center on Nov..
[08:18] Shailey Garfield: Bye to all
[08:18] Yan Lauria: Speaker is Vicki Robinson (SL: Oddprofessor Snoodle), National Technical Institute for the Deaf
[08:18] Max Chatnoir: Great.
[08:18] Yan Lauria: I'll notice detail later
[08:18] Shailey Garfield: I look forward to it, Yan
[08:18] Max Chatnoir: Thanks.
[08:18] Yan Lauria: Thank you very much for attending today.
[08:18] Vic Michalak: Bye bye... nice to see everyone again!
[08:18] DanHayase Resident: I will excuse me ahead
[08:18] DanHayase Resident: You, goodbye
[08:18] Yan Lauria: See you again. Byebye, have a nice holiday
[08:19] Max Chatnoir: You, too!
[08:19] comet Morigi: thx, everyone.
[08:19] Max Chatnoir: :-)
[08:19] Yan Lauria: ahaha
[08:19] Max Chatnoir: I need a Mr. Spock for my dogs to bark at!
[08:19] Yan Lauria: byebye, good night^^
[08:19] Vulcan Viper: That sounds illogical.
[08:20] Tulpa: Again, much praise to you Max for this wonderful sim. See you later everyone!
[08:20] Max Chatnoir: LOL
[08:20] Vulcan Viper: Anyway...I'm off.
[08:20] Max Chatnoir: Bye.