

**Title of Session:** K-3 Resources - Life Cycles

**Moderator:** Susan Roseman

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Room: Comfy Conference Room

**SusanR:** Gail, enc has a quite a few resources on Life Cycles

**GailH:** Yes, we do.

**SusanR:** can we zip over to your site while we are waiting for late arrivals

**SusanR:** . o O ( if they arrive )

**GailH:** Please do. Lead the way!

**SusanR:** [www.enc.org](http://www.enc.org)

**SusanR:** I always check the monthly topics on the calendar for useful resources

**GailH:** I bet you found <http://www.enc.org/features/calendar/unit/0,1819,93,00.shtm> then.

**SusanR:** That's a complete resource for a unit on the Life Cycle of a butterfly, Jason

**DavidWe:** I think there's a butterfly exhibit at the American Museum of Natural History in NYC

**JasonDe:** neat site!!

**GailH:** We had an issue of Focus about Genetics (with page specific to each grade band). The elementary one has a link to the life cycles as in the National Science Standards \*US = national". It is at <http://www.enc.org/features/focus/archive/genetics/document.shtm?input=FOC-003317-index> and has a link in center that jumps down to it.

**SusanR:** do you frequently check for dead links, Gail

**GailH:** We do (both people and software) but it isn't perfect. Did you find one?

**SusanR:** I couldn't access the Thinkquest when I was doing a search

**DavidWe:** Does that address any of the concerns of folks, for example, in Kansas, Gail?

**GailH:** . o O ( which thinkquest? )

**SusanR:**

[http://www.thinkquest.org/library/site\\_sum.html?name=27968&url=27968/design\\_a\\_butterfly\\_with\\_scales.shtml](http://www.thinkquest.org/library/site_sum.html?name=27968&url=27968/design_a_butterfly_with_scales.shtml)

**SusanR:** It may be back online

**GailH:** <http://www.enc.org/resources/records/0,1240,013910,00.shtm> links to a bad thinkquest link too. I will report them.

**SusanR:** Here's a cute way to kick off your unit..circle of life from The Lion King

**SusanR:** <http://www.lionking.org/lyrics/OMPS/CircleOfLife.html>

**SusanR:** and some songs and poems from canteach

**SusanR:** <http://www.canteach.ca/elementary/songspoems26.html>

**GailH:** There is an Elton John special on Bravo as we speak (his name is on the Lion King page).

**DavidWe** smiles

**DavidWe** wonders if Gail is doing more than two things at the same time

**GailH** . o O ( of course! )

**DavidWe** nods

**SusanR:** we are all multitasking

**DavidWe:** Indeed

**DavidWe:** More tea, anyone?

**JasonDe:** absolutely!

**GailH:** I like the canteach one a lot.

**JasonDe:** good for primary

**JasonDe:** I had my school purchase an incubator and we studied the life cycle of a chick

**JasonDe:** my students couldn't wait to get the school in the morning

**SusanR:** You could do the theme of Life Cycles throughout the school year

**JasonDe:** they wanted to check and see if they had started to hatch

**SusanR:** <http://www.pbsteacherlineoftexas.org/docs/LifeOfAChick.doc>

**GailH:** Is that supposed to be a doc?

**SusanR:** We would always visit the kindergarten room..they had an incubator each spring

**JasonDe:** you are good!

**SusanR:** yes

**GailH:** I watched the specials about the eggs hatching outside the secret service Treasury building. You don't have to be 6 to be excited about that.

**SusanR:** Incubate fertilized chicken eggs. The period of incubation for chicks is twenty one days.

**SusanR:** Hold the eggs to your ears periodically. Days before hatching you will be able to hear the chicks peeping inside.

**SusanR:** Some teachers open an egg every day or so, to show the developing embryo in various stages of growth.

**BridgetM** joined the room.

**GailH:** That is a really quality lesson plan.

**SusanR:** . o O ( wonders if the baby chicks are given a proper home after birth. )

**SusanR:** We are looking at the life cycle of a chick Bridget,  
<http://www.pbsteacherlineoftexas.org/docs/LifeOfAChick.doc>

**GailH:** Does anyone get upset if teacher opens eggs and kills them?

**SusanR:** good point

**SusanR:** Keep open the possibility of real-life experiences that may occur close to home. Thanks to the great accessibility of video camera equipment, someone might be able to record the live birth of an organism such as a kitten, calf or if you are really lucky, the birth of a human baby.

**BJB2** is very upset thinking about it

**BJB2** waves hi to Bridget

**BridgetM:** hi, al

**SusanR:** ARTSEdge has an interesting site ..this one is for you, BJ

**SusanR:** Magicicada: A Life Cycle

**JasonDe:** how about web cams?

**SusanR:** A cooperative lesson between the classroom teacher and the visual arts teacher.

**SusanR:** <http://artsedge.kennedy-center.org/content/3517/>

**SusanR:** one moment..maybe I can dig up the webcam

**SusanR:** What resources/sites are you using with your students, Jason

**JasonDe:** I have not used very many sites yet.....we have used it to do a lot of math and writing

**SusanR:** ..shucks..can't find it

**SusanR:** try composting to teach life cycles

**SusanR:** we had a worm bin

**SusanR:** <http://www.geocities.com/RainForest/7523/compost.html>

**SusanR:** very little maintenance

**SusanR:** you can purchase them

**BridgetM:** I've done worms in school - red wigglers

**JasonDe:** we are in the process of putting together a web page that documents the life cycle of a chick

**SusanR:** turns to lovely soil and then they use the soil and do some planting outside in front of the school

**SusanR:** cool, Jason

**JasonDe:** proper planning is needed to ensure that eggs hatch during the week and not on the weekend!!!

**JasonDe:** fluctuations in temperature (math) can cause a delayed hatch

**JasonDe** speaking from experience

**GailH:** Bridget, are you familiar with Wormania and the two related materials?

**SusanR:** Who monitors on the weekend?

**JasonDe:** I had my students develop their own calendars to track the days that had passed and log an entry into a journal as well

**BridgetM:** no - to wormia.

**JasonDe:** we also looked at pics of the inside of the egg at different stages.....I can't remember where I found that pic though

**SusanR:** It's a complete learning experience

**JasonDe:** with a rotator there is really no need to monitor on the weekend unless they are scheduled to hatch

**JasonDe:** absolutely.....

**BridgetM:** Jason, we got chick embryo pictured from a 4H booklet. Kids colored the yolks each day. helped them see the change

**SusanR:** Will you be bringing in any tadpoles after the chick hatching experience?

**SusanR:** or planting <http://www.urbanext.uiuc.edu/gpe/case1/c1facts1b.html>

**JasonDe:** we have already had a bullfrog tadpole in.....I have never seen a tadpole that large

**GailH:** Bridget, is the picture of you with the worms on the green I page from this year's Mother's Day?

**BridgetM:** no - a few years ago. I love 'em though

**JasonDe:** what are the 4H booklets?

**SusanR:** . o O ( wonders too )

**BridgetM:** 4H is an organization for farm kids - instead of scouts

**BJB2:** Head, Heart, Hands, something else

**BJB2** . o O ( forget the 4th H )

**BridgetM**: home? I don't know

**SusanR**: my students used to bring in a pail of tadpoles from the local pond each year and we would record their development

**SusanR**: Fertilized frog eggs are usually easy to find or purchase.

**BJB2** . o O ( Health )

**SusanR**: be sure to get the ok first

**GailH**: So are ladybugs. My daughter bought for her daughter. This site about them has a page on their life cycle.

<http://www.geocities.com/Athens/Atrium/5924/schoolyardscience.htm>

**SusanR**: and a unit should include as many aspects of creativity and learning as possible. These projects would focus on the child expressing himself/herself in an artistic manner.

**SusanR**: <http://www.sci.mus.mn.us/sln/ta/s/symmetry/symmetry.html>

**BridgetM**: 4H virtual farm

<http://www.ext.vt.edu/resources/4h/virtualfarm/poultry/poultry.html>

**BridgetM**: I have a funny ladybug story. Teacher hatched them in Feb and called all the nurseries trying to but aphids for them to eat

**SusanR**: Thanks Bridget. I do hope Jason returns for this

**BridgetM**: I'm having mouse trouble - slows me down

**SusanR**: before we leave..here is the online track of links <http://snipurl.com/cyclelife>

**GailH** . o O ( Susan always has such good stuff and is so prepared! )

**BridgetM**: thanks, sorry I was late. Night all

**BJB2**: thanks, Sue

**SusanR** . o O ( includes the salmon life cycle and the water cycle )

**GailH**: Bridget, I can tell you those worm resources sometime if you'd like.

**GailH**: Thanks Sue. I like getting more resources.

**GailH** . o O ( And I reported the bad thinkquest link to our people already. )

**BridgetM**: ooo I'd love them. I'm reading The Earth Moved - it's about worms

**SusanR**: I'll add the sites mentioned tonight to <http://del.icio.us/sroseman/LifeCycle>

**GailH**: Thank you Sue.

**GailH**: Bridget, the links I will say in a minute to you are for "real" things -- not web sites, but they are GREAT!

**SusanR** . o O ( maybe I will send in an application to work for ENC )

**JasonDe**: neat site Bridget

**GailH**: Bridget, Wormania is a video for grades 4-8 and is described here <http://www.enc.org/resources/records/0,1240,002978,00.shtm>

**GailH**: There are two supporting resources that are mentioned there.

**GailH**: Bridget, <http://www.enc.org/resources/records/0,1240,002979,00.shtm> is about Worms each our Garbage, with 150 activities, etc.