Biology Weekly Learning Plan

SSFHS Biology

Week of May 17th-May 21st

Weekly Assignments and Announcements

NOTE: Details and links to assignments and Flextime/Office hours' Zoom link are located in Google Classroom under the Classwork tab

*** Note: this plan might change depending on if our class needs more or less time on certain activities.*

Monday

Materials needed for class today:

- **Computer with internet**
- **Pen/pencil**
- **Notebook or binder paper**
- **Colors of some sort**

Google Classroom Resources:

Today's learning objectives & goals using the 5E's:

- ❏ Engage in SEL icebreaker: Planet Earth clip-breakout room
- ❏ Explore how all living organisms are related and descended from a common ancestor
- ❏ Explain how natural selection connects to descent with modification
- ❏ Explain, develop and use a model to show how many species can descend from one common ancestor.
- ❏ Explore: Cornell notes-add vocab, questions & main ideas

Agenda:

Warm up: Say "hi" in the chat for **attendance**

1. **EXPLORE**: Icebreaker- watch Planet Earth clip & discuss in breakout rooms using the observe, notice, wonder format
2. **ENGAGE:** Continue "Arc 3: Parts 1-3 Finch Activity Guide".
   a. Click on the (Set 2) Descent with Modification- Arc 3: Parts 3-4
3. **EXPLAIN:**Revise your group's jamboard model of island formation (slide 2).
4. **ELABORATE**:Finish your Part 3 in the "Parts 1-3 Finch - Activity Guide": Revising finch ideas.
5. **ENGAGE : Add vocab., questions and main ideas to Cornell Notes- Descent with Modification**
6. **EXPLORE**: Revise finch jamboard groupings in breakout rooms (slide 1) and answer question #12.
7. **EXPLORE:** Start "Part 4 - Finch - Activity Guide".
   a. **Google Slides Presentation (Set 2) Descent with Modification- Arc 3: Parts 3-4**
   b. Video clip #3
   c. Answer #1a and #1b to explain how the Galapagos finches have evolved from 1 common ancestor.
   d. "Natural Selection Mini-Lab Activity"
8. **ELABORATE:**Continue and finish "Part 4 - Finch - Activity Guide".
   a. Create finches model on last slide of Jamboards:
   b. Coin cladogram activity
   c. Nova Evolution Lab (if time)
9. **EVALUATE: Reflect on one thing you learned today and type it in the chat along with typing "goodbye" in the chat before you leave class.**

Homework:

- ❏ **Complete all questions the** "Arc 3: Parts 1-3 Finch Activity Guide" **due on Monday 5/17 at 6pm (10 points)**

- ❏ **Complete the Edpuzzle: Beak of a Finch activity due on Wednesday 5/19 at 6pm (10 points)**

- ❏ **Watch the Cladogram video and add main ideas to your Cornell Notes: Descent with modification**
- ❏ **Complete the Finch Jamboard due on Friday 5/21 at 6pm (10 points)**

Announcements:

HERE ARE THIS WEEK'S ANNOUNCEMENTS: CLICK HERE
To make an appointment for FlexTime-Click HERE

Tuesday

Materials needed for class today:

- ❖ **Computer with internet**
- ❖ **Pen/pencil**
- ❖ **Notebook or binder paper**
- ❖ **Colors of some sort**

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Google Classroom Resources:

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2. **ENGAGE : Add vocab., questions and main ideas to Cornell Notes- Descent with Modification**
3. **EXPLORE:** Start "Part 4 - Finch - Activity Guide".
    a. Video clip #3
    b. Answer #1a and #1b to explain how the Galapagos finches have evolved from 1 common ancestor.
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    b. Coin cladogram activity
    c. Nova Evolution Lab (if time)
5. **EVALUATE: Reflect on one thing you learned today and type it in the chat along with typing "goodbye" in the chat before you leave class.**

Homework:

- ❏ **Complete the Edpuzzle: Beak of a Finch activity due on Wednesday 5/19 at 6pm**
- ❏ **Finish all parts and turn in the "Natural Selection Mini-Lab Activity" due on Wednesday 5/19 at 6pm**
- ❏ **Watch the Cladogram video and add main ideas to your Cornell Notes: Descent with modification**
- ❏ **Complete the "Part 4 - Finch - Activity Guide" due on Friday 5/21 at 6pm (10 points)**
- ❏ **Complete the Finch Jamboard due on Friday 5/21 at 6pm (10 points)**
- ❏ **Cornell Notes due on Friday 5/21 at 6pm**

	❏ **Add three notes, 3-6 questions/vocabulary terms & a 5-7 sentence summary** **Announcements:** **HERE ARE THIS WEEK'S ANNOUNCEMENTS: CLICK HERE** To make an appointment for FlexTime-Click HERE
Wednesday **Materials needed for class today:** ❖ **Computer with internet** ❖ **Pen/pencil** ❖ **Notebook or binder paper** ❖ **Color** ❖ **Iphone** _____ Google Classroom Resources: ____	**ASYNCHRONOUS SCHOOL TODAY** **Reminder:** **Office Hours: 8:30-9:30am and 11:30-12:30pm** **My Zoom office hours' link is in the Classwork Tab under Resources** **INDEPENDENT WORK:** ❏ Google Form Attendance Link-**due today 5/19 by 3:00pm** (assigned in Google Classroom) **NOTE: ALL STUDENTS MUST COMPLETE THE GOOGLE FORM ATTENDANCE SHEET AND SUBMIT IT BY 3:00PM SHARP!** ❏ **Complete the Edpuzzle: The Beak of the Finch due on Wednesday 5/19 at 6pm** ❏ **Finish all parts and turn in the "Natural Selection Mini-Lab Activity" due on Friday 5/19 at 6pm** ❏ **Watch the Cladogram video and add main ideas to your Cornell Notes: Descent with modification** ❏ **Complete the Finch Jamboard due on Friday 5/21 at 6pm (10 points)** ❏ **Complete the "Part 4 - Finch - Activity Guide" due on Friday 5/21 at 6pm** ❏ **Cornell Notes due on Friday 5/21 at 6pm** ❏ **Add three notes, 3-6 questions/vocabulary terms & a 5-7 sentence summary** ❏ **FINISH & TURN IN ANY LATE WORK BY 9PM FRI. 5/21- SEND ME AN EMAIL FOR EACH MISSED OR LATE ASSIGNMENT YOU COMPLETED** **NOTE: Students on my BARR team need to go to the BARR Google Classroom this week to complete this week's riddle!**
Thursday **Materials needed for class today:** ❖ **Computer with internet** ❖ **Pen/pencil** ❖ **Notebook or binder paper**	**Today's learning objectives & goals using the 5E's:** ❏ Engage in SEL icebreaker: Planet Earth clip-breakout room ❏ Explore how all living organisms are related and descended from a common ancestor ❏ Explain how natural selection connects to descent with modification ❏ Explain, develop and use a model to show how many species can descend from one common ancestor.

❖ **Color** _____

Google Classroom Resources:

- ❏ Construct an explanation that connects natural selection to descent with modification.
- ❏ Analyze and interpret data in order to construct or interpret a cladogram/phylogenetic tree.
- ❏ Explore: Cornell notes-add vocab, questions & main ideas

Agenda:

Warm up: Say "hi" in the chat for **attendance**

1. **EXPLORE**: Icebreaker- watch Planet Earth clip (optional) & discuss in breakout rooms using the observe, notice, wonder format
2. **ENGAGE : Add vocab., questions and main ideas to Cornell Notes- Descent with Modification**
3. **EXPLORE:** Start "Part 4 - Finch - Activity Guide".
    a. Video clip #3
    b. Review #1a and #1b in the "Part 4 - Finch - Activity Guide"
    c. Answer #1a and #1b to explain how the Galapagos finches have evolved from 1 common ancestor.
    d. Complete the "Natural Selection Mini-Lab Activity"
4. **ELABORATE**:Continue and finish "Part 4 - Finch - Activity Guide".
    a. Create finches model on last slide of Jamboards
    b. Activity Guide #3 - 4: Gallery walk of finches model on last slide of Jamboards.
    c. Coin cladogram activity- needs to be assigned in GC
        i. Activity Guide #5-7: Answer reflection questions about the coin cladogram activity.
        ii. Refer to Cladogram video in Google Classroom
    d. Start "Nova Evolution Lab" & Google Doc (if time)
        i. Watch the Evolution 101 video and complete Mission 1: Training Trees of the " Nova Evolution Lab".
    e. Turn in your finished "Part 4 - Finch - Activity Guide"
5. **EVALUATE: Reflect on one thing you learned today and type it in the chat along with typing "goodbye" in the chat before you leave class.**

Homework:

- ❏ **Finish all parts and turn in the "Natural Selection Mini-Lab Activity" due on Friday 5/21 at 6pm**
- ❏ **Complete the "Part 4 - Finch - Activity Guide" due on Friday 5/21 at 6pm**
- ❏ **Cornell Notes due on Friday 5/21 at 6pm**
    - ❏ **Add three notes, 3-6 questions/vocabulary terms & a 5-7 sentence summary**

Announcements:

Final Exam Schedule:

THURSDAY, MAY 27

PERIOD 1 9:20AM-11:20AM

PERIOD 2 11:36AM-1:36PM

FRIDAY, MAY 28

PERIOD 3 9:20AM-11:20AM

PERIOD 4 11:36AM-1:36PM

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Friday

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Google Classroom Resources:

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- ❏ Explain, develop and use a model to show how many species can descend from one common ancestor.
- ❏ Construct an explanation that connects natural selection to descent with modification.
- ❏ Analyze and interpret data in order to construct or interpret a cladogram/phylogenetic tree.
- ❏ Explore: Cornell notes-add vocab, questions & main ideas

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        ii. Refer to Cladogram video in Google Classroom
    d. Start "Nova Evolution Lab" & Google Doc (if time).
        i. Watch the Evolution 101 video and complete Mission 1: Training Trees of the " Nova Evolution Lab".
    e. Turn in your finished "Part 4 - Finch - Activity Guide"
    f. Complete "Part 5 - Finch - Activity Guide".(if time permits)
        i. #1a-1g: Analyze data to collect evidence to construct an explanation.
        ii. Review answers / score yourself.
        iii. #2: Apply the same reasoning to a different scenario.
        iv. Review answers / score yourself.
        v. #3: Summary of Understanding & Connection to Superbugs!
        vi. Review answers / score yourself.
        vii. Turn in "Part 5 - Finch - Activity Guide".
        viii. Update your "Evolution Phenomenon Board" for "Investigative Phenomenon #3".
        ix. Turn in your completed "Evolution Phenomenon Board" when you finish updating it.
5. **EVALUATE: Reflect on one thing you learned today and type it in the chat along with typing "goodbye" in the chat before you leave class.**

Homework:

- ❏ **Finish all parts and turn in the "Natural Selection Mini-Lab Activity" due on Friday 5/21 at 6pm**

- ❏ **Complete the "Part 4 - Finch - Activity Guide" due on Friday 5/21 at 6pm**

- ❏ **Cornell Notes due on Friday 5/21 at 6pm**
  - ❏ **Add three notes, 3-6 questions/vocabulary terms & a 5-7 sentence summary**

- ❏ **Evolution Final Exam Study Guide due Tuesday 5/25 at 8am (assigned in Google Classroom)**
  - ❏ **Cornell Notes-Evidence for Evolution**
  - ❏ **Cornell Notes-Selection (artificial & natural)**
  - ❏ **Cornell Notes-Descent with Modification**
  - ❏ **Google Slides throughout this term**

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