

Ecological Succession

5E Bundle

- Engagement
- Exploration
- Explanation
- Elaborate
- Evaluate



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Complete Teacher Instructions

Ecological Succession 5E Lesson		
Grades 6-10	Ecological Succession	Ongoing Lesson
Lesson Objective: Students will learn about: • Primary Succession • Secondary Succession • Pond Succession • Forest Fire • Pioneer Species • Climax Communities		
Possible Student Misconceptions: • Ecosystems change little over time • Without human intervention, old fields either remain barren or weedy • Soil fertility decreases over time • Soil is only fertile if humans intervene • As succession progresses, communities are characterized by bigger plants and animals • Forest fires are always bad for an ecosystem		
Materials: • 1 device (smartphone, Chromebook, laptop, tablet, or computer) per 3 students • A means of projecting a PowerPoint presentation • Internet access • General classroom objects		
Teacher Notes: ➢ All videos can be accessed directly from the PowerPoint. To retrieve the icon while in slideshow mode and it will automatically open for you. If it doesn't, right-click on the image and click Edit Hyperlink or something similar. ➢ I've created a video walkthrough if needed. It can be accessed here - https://youtu.be/oCIKIP9SaDg ➢ I don't believe in long lessons. If you feel your students are losing their focus, stop the PowerPoint and give them a 5-minute break. If you'd like to see my video collection here - http://www.teachwiththergv.com/s/ There are tons of brain-break videos to choose from all grouped by category.		

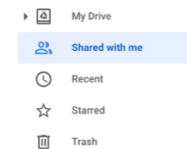
Ecological Succession – 5E Lesson	
Engagement Phase Your students will watch the video 'Succession' and complete the questions found in the file – <i>Engagement – Succession</i> .	Duration: 10 min
Teacher Notes: - The video is about two minutes long. - You may need to pause a few times so students can write down their answers.	Teacher Role – Facilitate understanding
Exploration Phase Exploration – Lab Station Activity • In groups of 2-3, have your students complete <i>Exploration – Lab Station Activity</i>. Once they're done, they will submit their passport to you.	Duration: 15 min
Teacher Notes: • The complete instructions for my Lab Station activity can be found in the <i>START HERE – Instructions</i> file.	Teacher Role – Facilitate understanding
Explanation Phase PowerPoint Lesson • The lesson is found in the folder – <i>Explanation – Lesson</i> • This lesson is designed to be completed over one day • There is plenty of opportunity to engage, interact and check for your students' understanding throughout the lesson • The lesson covers the following topics: ➢ Primary Succession ➢ Secondary Succession ➢ Pond Succession ➢ Primary vs. Secondary Succession	Duration: 30 min
Teacher Notes: • I have also enclosed a PDF version of both the teacher and student versions.	Teacher Role – Facilitate understanding

Elaborate Phase Elaborate – Scavenger Hunt Your students will complete – <i>Elaborate – Scavenger Hunt</i> . This activity will require your students to move beyond what was covered directly in the lesson and allow them to further develop their understanding.	Duration: 1 hour
Teacher Notes: - Students will work individually or in small groups - Students will need one device per group	Teacher Role – Facilitate learning and keep students focused
Evaluate Phase Quiz Have your students complete – <i>Evaluate – Ecological Succession Quiz</i>	Duration: 30 min
Teacher Notes: ➢ It's sometimes best to have the students peer evaluate ➢ Placing students in small groups and having them exchange papers to mark will accomplish two things 1) Provide immediate feedback on the questions they just completed 2) Significantly reduce your marking time ➢ Peer evaluation is not needed, only suggested when appropriate	Teacher Role – Distribute and collect evaluation
	Goal □ Students use their newly obtained knowledge to propose solutions and extend their learning to new situations
	Goal □ Students are given the opportunity to demonstrate their understanding and evaluate their own progress

Each phase is clearly described

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TWF

Google Classroom Ready
One-Click Google Slides Access

A Complete Lesson

Primary Succession

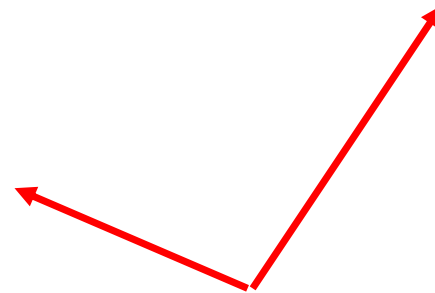
- Insects, small birds, and mammals begin to move in
- _____



Primary Succession

- Insects, small birds, and mammals begin to move in

What was once bare rock now supports a variety of life



Teacher and Student Versions of
the presentation

Interactive and Engaging Activities

Device-Based Scavenger Hunt Ecosystems and Ecological Succession



Includes

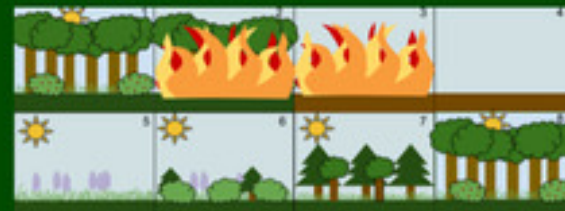
- 5 Unique Locations
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Ecological Succession Lab Station Activity

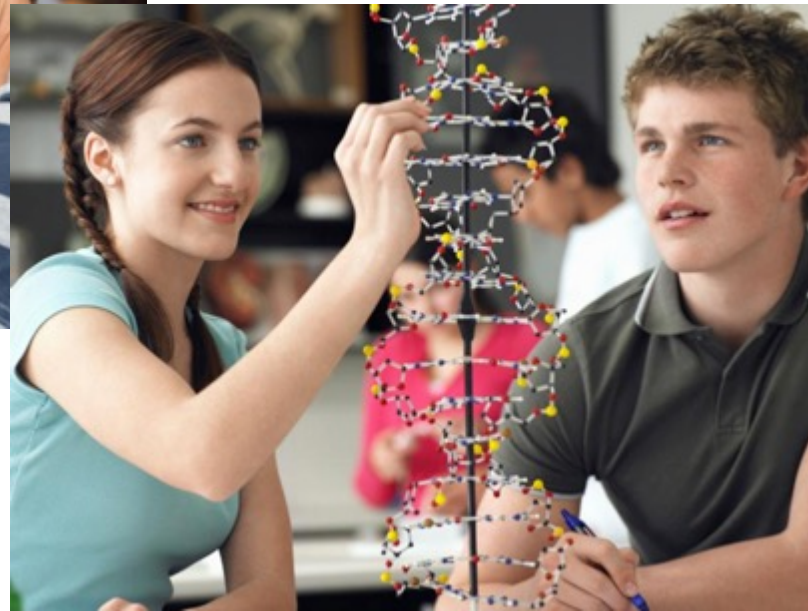


7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Get away from tired practices and unengaged students



Provide a Scientifically-Proven means of instruction



Incorporate Technology and Increase Collaboration

