

Pro-Vision Academy Charter School
High School Science Distance Learning Plan

Provision High School Science
Distance Learning Plan
Week of May 4-8, 2020

Biology Activities
(Suggested: 45 minutes of off-line activities)

TEK

Students will identify the complex interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions, but changing conditions may result in a new ecosystem.

Monday - Tuesday

EdPuzzle Video: Nitrogen and Phosphorus Cycles

Wednesday - Thursday

EdPuzzle Video: Hydrolytic and Carbon Cycles

Friday

EdPuzzle Video: Ecosystems Ecology

Opened Questions / Multiple Choices questions to be answered after each video.

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Chemistry Activities
(Suggested: 45 minutes of off-line activities)

TEK

Students will be able to name and describe relative masses of the three subatomic particles that make up an atom.

Monday - Tuesday

EdPuzzle Video: What are Ions?

Wednesday - Thursday

EdPuzzle Video: What are Isotopes?

Friday

EdPuzzle Video: Subatomic Particles?

Opened Questions / Multiple Choices questions to be answered after each video.

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Anatomy & Physiology

(Suggested: 90 minutes of off-line activities)

TEK(s) AP.4G AP.6A

Monday

Homeostasis is the term we use to describe the reasonably stable internal environment of your body. Learn how parts of your body communicate with each other to maintain this state of homeostasis, and how negative feedback loops work.

Activity: Watch the attached video and comment in Google classroom.

<https://classroom.google.com/u/1/c/NTc4NTY2NTI0MjVa/a/OTQ5ODA0MDQ3NDVa/details>

Tuesday

In this lesson, we'll explore the function of the different parts of the integumentary system, which protects the body. We will look at how the skin and its accessory organs work together.

Activity: Watch the attached video or the power point posted in Google classroom

<https://classroom.google.com/u/1/c/NTc4NTY2NTI0MjVa/a/OTQ5ODM5NDY3NzRa/details>

Wednesday

Ever wonder how pimples appear? Is it simply a blocked pore or maybe a hair follicle? Is bacteria involved? Learn about the glands that cause acne and the glands that help you cool off in this lesson on sebaceous and sweat glands of the integumentary system.

Activity: Watch the attached video or the power point posted in Google classroom

<https://classroom.google.com/u/1/c/NTc4NTY2NTI0MjVa/a/OTQ5ODM5NDY4OTha/details>

Thursday

Did you know that your skin, hair, and nails are all made out of the same protein? Learn more about the structure and function of your nails in this lesson.

Activity: Watch the attached video and answer the 5 questions in the quiz or write a small summary on the accessories of the integumentary system.

<https://classroom.google.com/u/1/c/NTc4NTY2NTI0MjVa/a/OTQ5ODQwNDQ4MzNa/detail>

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Friday

Students select a lesson from Monday-Thursday and give a short summary. Summaries may include but not be limited to a concept map, written paragraph, Venn diagram or illustration, or Join the class discussion on Google Classroom on Friday May 8th.

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Physics

(Suggested: 90 minutes of off-line activities)

TEK:P.2G,P.3A,P.B

Monday

Are 7.5 grams and 7.50 grams the same? How do scientists represent very large and very small quantities? Find out the answers to these questions in this video.

Activity: Watch the attached video or read the power-point posted in Google classroom in preparation for the discussion on Friday May 8th.

<https://classroom.google.com/u/1/c/NTc4NTY2NTQ0MDRa/a/OTQ5ODY2OTAzOTNa/details>

Tuesday

After watching this lesson, you will be able to explain what vectors are in physics, give some examples of vectors and have a basic idea of how they can be manipulated mathematically.

Activity: A short quiz will follow for participation points

<https://classroom.google.com/u/1/c/NTc4NTY2NTQ0MDRa/a/OTQ5ODA0MDY2NzNa/details>

Wednesday

In this lesson, we will examine scalars and vectors, learn why it is important to know the difference between the two and why remembering to add a direction to many of your exam answers could be the reason you get it right or wrong.

Activity: No activity is assigned, quiz attached is for participation only in preparation for discussion on Friday May 8th.

<https://classroom.google.com/u/1/c/NTc4NTY2NTQ0MDRa/a/OTQ5OTE4NjE4MTVa/details>

Thursday

This lesson defines Newton's second law of motion. Examples are used to illustrate how unbalanced forces cause objects to accelerate. The examples are used to practice calculating acceleration and force for objects in motion.

Activity: Watch attached video and answer the short five question quiz

<https://classroom.google.com/u/1/c/NTc4NTY2NTQ0MDRa/a/OTQ5OTA0OTE5Mjha/details>

Friday

Select a lesson from above, and summarize the lesson using a Venn diagram, bubble-chart, written paragraph or illustration or participate in the class discussion on Google Classroom May 8th.