## Lesson Plan Template

Grade: IVIIC		Subject: Science	
Materials:	paper, drawing utensils, computers	Technology Needed: Computers	
Instructional Strategies:		Guided Practices and Concrete Application:	
Direct	instruction Deer teaching/collaboration/	🗆 Large group activity 🗆 🗆 Hands-op	
Guide	d practice cooperative learning	Independent activity	
Socrat	ic Seminar 🛛 Visuals/Graphic organizers		
🗆 Learni	ing Centers D PBI	Pairing/collaboration Imitation/Repeat/Mimic	
	$\Box = \frac{1}{2} $	Simulations/Scenarios	
		Other (list)	
🗆 lechn	ology integration D Modeling	Explain:	
Other	(list)		
Standard/c	\ HC DC1 1	Differentiation	
Standard(s) HS-PS1-1			
IVIS-ESSI-1	Develop and use a model of the earth-sun-moon system to	Below Proficiency:	
describe th	e cyclic patterns of lunar phases, eclipses of the sun and	Comparing pictures to definitions and they will only need to	
moon, and	seasons.	answer the main questions from the worksheets.	
Objective(	5)	Above Proficiency:	
TLW, at the	e end of the lesson, be able to show the lunar phases by	Timeline should be completed and in depth and can answer more	
creatina a	timeline of the different moons and answer interpretive	questions if time permits. They will also be looked to for helping	
auestions of	about the lunar phases	their peers who have questions.	
Bloom's To	wonomy Cognitive Level: apply and understand	Annroaching/Emerging Proficiency:	
510011310	and and and a series apply and anacistant	This is where most of the class should be. Thoy will be tasked with	
		completing the lessen as it is laid out below.	
		completing the lesson as it is iald out below.	
		Modalities/Learning Preferences:	
		Visual- spatial and interpersonal intelligences will be heavily	
		targeted during this lesson with all of the media and hands of	
		learning we are doing.	
Classroom	Management- (grouping(s), movement/transitions, etc.)	Behavior Expectations- (systems, strategies, procedures specific to the	
Students w	ill be grouped into groups of 3 when creating the timeline	lesson rules and expectations etc.)	
Those will l	his be grouped into groups of 5 when creating the timeline.	Students should be working quietly with their partner or	
These will i	be based on grouping students who are above proficiency	students should be working quietly with their partner of	
with below	and emerging. That way there is a leader in the group and	independently. This lesson is meant to be interactive, allowing the	
if their pee	rs have questions hopefully, they will be answered by	students to move freely throughout the classroom. If they need to be	
student lea	iders.	redirected, I will talk to the students individually, or remind the class as	
		a whole that their volume level is getting to high.	
Minutes	Procedures		
	Set-up/Prep:		
	Before I begin this lesson, the students will be collecting in	formation about the moon 3 weeks prior to this lesson.	
E 7	Engage: (oppning activity/ anticipatory Sot – access prior	learning / stimulate interest /generate questions etc.)	
5-7	Lingage. (opening activity/ anticipatory set – access prior	icaling / stinulate interest /generate questions, etc.)	
	To start the lesson the students will show their data collect	tion about the moon. This should include a drawing of what the moon	
	looks like at night and how many nights it stayed that way.	We will find similarities among the students and proceed to watch a	
	video in the explain portion.		
20	Explain: (concepts, procedures, vocabulary, etc.)		
	I will show the students a Crash Course video. https://www	v.youtube.com/watch?v=AQ5vty8f9Xc Not all of it needs to be shown.	
	use your own discretion. Have the students int down definitions for the explain part of the lesson		
Livill define the terms axis crescent First Quarter Full Moon gibbous illuminate. New Moon orbit revolve rotate. Third Quarter			
win denne the terms axis, descent, thist quarter, run woon, globous, muthilate, New Woon, Orbit, revolve, rotate, fillia quarter, run woon, globous, muthilate, New Woon, Orbit, revolve, rotate, fillia quarter, run woon, globous, muthilate, new woon, globous, and the students to give their input on the terms we learned from the			
	warning, waxing so the students are familiar with them. I W	in ask the students to give their input on the terms we learned from the	
	video. Using the pictures of the moon the students drew w	nii be very neiptul în defining terms.	
	• Axis		
	Crescent		
	First quarter		
	Full moon		
	Gibbous		
	New moon		
	Orbit		
	Revolve		
	Rotate		
	Third quarter		

	Waning		
	Waxing		
	Next, I will explain how long it takes to orbit earth and how often we get a new moon.		
	<ul> <li>It takes approximately 29.5 days or 1 month for the moon to orbit the earth.</li> </ul>		
	We have 12 new moons each year		
	Each phase is 5-6 days long		
20	Explore: (independent, concreate practice/application with relevant learning task -connections from content to real-life		
	experiences, reflective questions- probing or clarifying questions)		
	Some of the evelore will have been done about of time with documenting the mean. The students will now create a proper		
	some of the explore will have been done anead of time with documenting the moon. The students will now create a proper		
	Define: Moon:		
	What is a lunar cycle?		
	How long is the lunar cycle for the Earth's moon?		
	Describe the sequential appearance of a moon that is going through the waxing phase of the lunar cycle.		
	How would the moon appear to change to an observer on Earth during the waning phase of the lunar cycle?		
	Explain why the moon often appears to be illuminated in the night sky.		
	In which direction does the moon orbit Earth?		
	Explain why the moon appears to change shape.		
	Technology Integration:		
	In addition to the above activities the students will be creating their own timeline video using Videoscribe.		
	https://www.videoscribe.co/en/education		
	The students will be using their data to make a whiteboard video of their lunar timeline. In the video they will draw the moon for		
	each day of the cycle, discuss the meaning behind each stage, and any other important information they feel would make the video		
	more informational, we will take class time to complete th	is project.	
3-4	Review (wran up and transition to next activity):		
• •	After learning what we did today how do you think the lun	ar cycle correlates with lunar eclipses?	
	How has your knowledge changed about the lunar cycle fro	om before the lesson to now?	
	The next lesson will be looking at the eclipses of the sun and moon. As well as transitioning into the seasons. These are both		
	continuations of the same standard.		
Formative	Assessment: (linked to objectives)	Summative Assessment (linked back to objectives)	
Progress	monitoring throughout lesson- clarifying questions,	End of lesson:	
check-		The student's timeline and worksheet will be graded for correctness.	
in strateg	gies, etc.		
Checking on the student's timeline and worksheets to make sure		If applicable- overall unit, chapter, concept, etc.:	
they have t	the concept grasped and answer any questions as they are		
working.			
Consideration for Deals on Dian.			
Consideration for Back-up Plan:			
In there are too many cloudy hights and the students do not collect all			
Reflection (What went well? What did the students learn? How do you know? What changes would you make?):			

Upon reviewing the comments made on my lesson plan I made corrections in the behavior expectations which includes strategies better suited for the activity that we will be doing. I think this lesson is a good integration of media and hands-on learning. It was also mentioned that I should include questions in the review part to wrap up the lesson.