Lesson Plan Template

| Grade: Fi |  |  | Subject: Science/Math |
| :---: | :---: | :---: | :---: |
| Materials <br> Tub/buck <br> Water <br> Apple <br> Bar graph | rksheet |  | Technology Needed: N/A |
| Instructio <br> Dire <br> Guid <br> Socr <br> Lear <br> Lect <br> Tech <br> Oth | Strategies: <br> instruction <br> practice <br> ic Seminar <br> ing Centers <br> logy integration <br> (list) | Peer teaching/collaboration/ cooperative learning Visuals/Graphic organizers PBL Discussion/Debate Modeling | Guided Practices and Concrete Application: Large group activity Hands-on <br> Independent activity Technology integration <br> Pairing/collaboration Imitation/Repeat/Mimic <br> Simulations/Scenarios <br> Other (list) <br> Explain: |
| Standard ESS1.3 Pl -Make ob be used <br> 1.MD. 4 categorie points, how one categ | ning and carryin rvations (firsthand make compariso <br> anize, represen Ask and answer many in each cat $y$ than in anoth | t investigations <br> from media) to collect data that can <br> interpret data with up to three stions about the total number of data ory, and how many more or less are in | Differentiation <br> Below Proficiency: <br> - Have teacher aid help with worksheet <br> - Have a peer help student with worksheet <br> Above Proficiency: <br> - Ask more in-depth questions <br> - Pair with below student to help them <br> Approaching/Emerging Proficiency: <br> - Pair with above student to help <br> Modalities/Learning Preferences: <br> - Visual - seeing experiment, worksheet <br> - Auditory - hearing vocab, directions |
| Objective <br> By the end sinks or fl bar graph Bloom's Apply, an | of the lesson, stud ts in water. Stud nd know how to r xonomy Cognitiv zze, evaluate, cre | ts will determine whether an apple s will also know how to fill out a simple d the data collected. <br> vel: |  |
| Classroom | Management- (grou <br> art in front on ca ove by table groups oards, come back 23 eyes on me -- | ing(s), movement/transitions, etc.) <br> o grab crayon and pencil and clip arpet uld see all eyes on me | Behavior Expectations- (systems, strategies, procedures specific to the lesson, rules and expectations, etc.) <br> - Listening ears on <br> - Hands in your lap <br> - We will look but not touch <br> - When we are grabbing materials make sure we are not talking, grab what you need and come back to the carpet in a quiet manner. |
| Minutes | Procedures |  |  |
| 2 | Set-up/Prep: <br> - Have <br> - Have a <br> - Make <br> - Have | ket/tub full of water e on side ready e bucket/tub of water is not distracting ugh copies printed for each student |  |
| 2 | Engage: (open <br> - I have <br> - Butt <br> ears, <br> - Toda <br> - Noblur | ctivity/ anticipatory Set - access prior reat, fun activity for all of you today!! able to do the fun activity you all have they turned on now?? GREAT, listen car are going to experiment if an apple flo ng, I want to see hands raised and only | rning / stimulate interest /generate questions, etc.) <br> have your listening ears on, let's make sure they are all on - rub your ully <br> in water or if it will sink in water <br> ar one voice talking |
| 5-10 | Explain: (concep <br> We have a few <br> Does anyone kn <br> Has anyone hea is going to sink or <br> Float? (object re <br> Sink? (object un | procedures, vocabulary, etc.) <br> ab words to go over: what experiment means? (a test to find <br> he word, hypothesis? Does anyone kno oat in water <br> on the surface water) <br> water) | mething out) <br> hat it means? (a guess) we are going to guess/hypothesize if the apple |

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|  | Who knows what collecting data means? (gathering and measuring information about something) -- we are going to write down who thinks the apple is going to float and who thinks the apple is going to sink <br> - Before we experiment, I want you to collect your data on this worksheet <br> - Call kids by table groups to grab pencil, one crayon and a clipboard - come back to carpet, pass out paper <br> - First put your name at the top!! I would like you to color in the apple in you think it is going to float (stay above the water) or sink (go under the water) - point to apple (once done coloring that apple put your items on the floor in front of you and your hands in your lap) <br> Raise your hand high and keep it up if you think the apple is going to float (count floating hands) <br> - -- watch me first, show them how to fill in bar graph - now you fill it in <br> Raise your hand high and keep it up if you think the apple is going to sink (count sinking hands) <br> - -- watch me first, show them how to fill in bar graph - now you fill it in <br> Which one has more? How do you know that? -- show them what apple to color - now you color it in |  |
| :---: | :---: | :---: |
| 5-7 | Explore: (independent, concreate practice/application w experiences, reflective questions- probing or clarifying q <br> - Review what every ones guesses/hypothesis is/ <br> - Put apple in water <br> What did we discover? <br> Why do you think the apple floats? (apples float because | elevant learning task -connections from content to real-life ons) <br> of their volume (body) is air) |
| 5 | Review (wrap up and transition to next activity): <br> What did the apple do? -- show them what part to fill in, have Anyone remember what experiment means? <br> Hypothesis? <br> Float? <br> Sink? <br> What does collect data mean? | hem fill it in |
| Forma <br> Progr <br> in str <br> Cons <br> Fill out <br> Instead <br> the secr <br> group | Assessment: (linked to objectives) <br> monitoring throughout lesson- clarifying questions, checkes, etc. <br> ist to 5 <br> tion for Back-up Plan: <br> paper for whole class instead of individually <br> oing full group bring up small groups and have them keep $f$ if the apple sank or floated. Then come back as a whole sk the questions | Summative Assessment (linked back to objectives) End of lesson: <br> Collect bar graph worksheet (math lesson) <br> If applicable- overall unit, chapter, concept, etc.: |
| Reflect <br> This <br> throu <br> becau <br> of this <br> I grab <br> chang <br> while | What went well? What did the students learn? How do yo n originally was a very good lesson. The only chan ut the lesson. There was a student that came up hey are bigger and heavier and little apples woul cept while writing the lesson. It was a good thin a big apple and a little apple to prove that no ma ow I go about my procedures; I need to say them $y$ are doing what I asked of them. | now? What changes would you make?): <br> I would make would be to add some type of movement me and said that they thought big apples would sink loat since they are smaller and lighter. I have not thought here were multiple apples to choose from for this lesson so er the size of the apples they will still float. I do need to ight away at the beginning of the lesson instead of doing it |

Name:


