LESSON PLAN 2: Selecting a QUESTION

RESOURCES AVAILABLE: PowerPoint 1, Worksheet 2

Classroom Time: 50-60 mins | Date:

Subject: SESE | Strand: | Class

Scientific Skills: QUESTIONING, EXPLORING, PLANNING

Learning Objectives	Learning Activities	Resources
Learn how to problem solve through collaboration	**Brainstorming Session (15 mins)** Organize the class into mixed ability **groups of 4-6 children**. Announce the **3 ideas that you think show the most promise**. Challenge each group to discuss each question and to brainstorm ideas of activities/experiments they could do to try and find an answer. You can assign roles to each group (someone to record their ideas, someone to make sure everyone gets to speak, someone to speak on behalf of the group in the feedback session etc.)	Question proposals generated by Lesson 1 Slide 4 PowerPoint
Learn to scrutinize the merits of other people's ideas	**Feedback Session (10 mins)** The purpose of this session is for the children to hear a range of ideas that will lead them to forming a view on which investigation most interests them. Allow time for each group to **briefly** feedback their ideas to the class. You could also add additional ideas and ask questions.	 Step 1
Learn to make decisions democratically	**Voting (5 mins)** After hearing all the ideas ask the class to vote on the question they would like to pursue. Either a show of hands or by secret ballot if you have time.	
Learn the value of collaborative thinking	**Initial Planning (20-30 mins)** **You now have a question for your investigation!** Hand each group **Worksheet 2** and ask them to now think about this question in more detail. Say that you need lots of ideas to come up with a plan. Encourage them to use the ideas that they have discussed and heard from others. Ask them to agree (within their group) on what activities could be carried out. Is there anything that needs to be built or designed? What kinds of equipment might they need to do this? Again, do not expect plans to be concrete proposals or fully workable at this stage. Options: You could extend this activity into a homework where children can consult at home/Google ideas on the subject. These could be reported back to the class in the next session. **Collect Worksheet 2 as a record of all the ideas.**	Worksheet 2  Step 2
	Risk Assessment and Prioritization: Based on the contents of worksheet 2, and the class discussion, choose a feasible (and safe) course of action. Look for ways to encourage maximum participation and things that can be quantified and measured.	