

LESSON PLAN A,B&C: THE WATER CYCLE		
T:2 WK: 4A,B&C SUBJ: NST	GR: 4	LESSON 10,11&12 OF 21
Lesson Objectives: ● Collaboration ● Raising questions ● Hypothesising & predicting ● Doing investigations ● Recording information ● Evaluating	Resources: ● RES1: The Adventure Part 6 ● DWS/WS1 Experiments & Activity ● Video1: Water Cycle Dance ● RES2: Plickers Questions ● RES3: Plickers Cards ● WS2: Plickers Assessment Sheet	
	Equipment: ● Bowl ● Cup ● Clingwrap ● Glass ● Food colouring ● Shaving cream	
LESSON OUTLINE		
Question hook: Where does all our water come from?		
1. This material should span all lessons this week. These experiments provide learners with the opportunity to make their own observations and to record each experiment (A,B,C) in detail. Time constraints unfortunately often result in the teacher having to do the experiment as a demonstration. Learners need to record what they have observed to complete the worksheet. 2. Sam introduces The Water Cycle, by asking the question hook: Where does all our water come from? The sky....rivers, dams....guide the learners to realise that there is a 'cycle' linking the water resources. 3. RES1: Click on the water droplet to watch the water cycle video or video1. Learners may like to get up and dance with this GoNoodle song! 4. DWS/WS1: Complete the worksheets on the three experiments and the precipitation activity. 5. Assessment: Plickers cards will be used. Watch the Plickers tutorial. There is also a Coach in the Class Tutorial available. The questions are available on this link: www.plickers.com/coachintheclass/Grade-4--NST--Term-2-8331 or on a GS RES2. To access the online Plickers questions you need to login with your Google account. 6. EXTENSION: As an extension activity, learners can use the Pickids app which makes digital collages. PicKids tutorial. If your school has devices for children,		

allow them to take photos of their experiments to use in Pickkids collages.

ZED TECH	TECH LIGHT	TECH LOADED
• RES1 • WS1 Experiments & Activity • RES2 Plickers Questions • RES3: Plickers Cards • WS2: Teacher will show Plickers cards on the board, learners will circle answers on the worksheet.	• RES1 • DWS1/WS1 Experiments & Activity • RES2 Plickers Questions • RES3 Plickers Cards • WS2 Plickers Assessment • Teacher cell phone or device with Plickers App.	• RES1 • DWS1: Experiments & Activity • Plickers cards for assessment • Teacher cell phone or device with Plickers App. • Extension: collage of photos - PicKids

Assessment opportunities: Plickers revision exercise - 10 marks.
(Digital water cycle collages - 10 marks)

REFERENCES UTILISED

- Pinterest: Water cycle experiments
<https://lessons4littleones.com/2015/04/15/water-cycle-rain-cycle-science-experiments/>
- PicKids tutorial <https://www.youtube.com/watch?v=SC9w69AHANc>
- Video1: GoNoodle: The Water Cycle song: GoNoodle | Get Moving:
<https://www.youtube.com/watch?v=KM-59ljA4Bs>
- [Pixabay.com](https://pixabay.com)