UKNI_Img_Bubbles_LEnvironm

Teacher Education Design Principle + code:	14. Teacher education should equip teachers with knowledge and skills to use a range of formal, non-formal and informal learning environments, including the outdoor environment, both the school grounds and the wider environment beyond the school, in their teaching of science and mathematics. **TE: LEnvironm**
Specific Teacher Outcome(s):	14.2 Teachers should be able to recognise and build on opportunities for informal learning in science and mathematics within the school environment, for example within day to day routines or child-initiated games and other activities in school classrooms or outdoor play areas.
Factors linked with:	**P: Affect;** **L: Informal;** **L:Indoors;** **M: Informal**
Type of material (image – interview (int) – classroom extract (class):	Image
Originating from:	
Country report :	D4.3 UK (Northern Ireland)
Case:	Case 14
Episode:	Bubbles
Teacher:	Alice
Age Group:	3-4
Selected episode present in D4.4 Appendix	No

The project CREATIVE LITTLE SCIENTISTS has received funding from the European Union's Seventh Framework Programme (FP7/2007-2013) for research, technological development and demonstration under grant agreement no 289081.

Providing children with informal opportunities to for science exploration

Here, Ryan is exploring a tube in which air bubbles rise up a spiral, through coloured liquid. He attempts to make them go faster by shaking it and spinning it. This is one of many science- and mathematics-based toys that are left around the classroom by Alice, which children are free to play with at any time. During this time, children were largely unsupervised. Practitioners would intermittently discuss and extend their learning.

Ryan observing the bubbles rising though the liquid

© *2014 THE OPEN UNIVERSITY*
This work is licensed under the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License. To view a copy of this license, visit http://creativecommons.org/licenses/by-nc-nd/4.0/.

The project CREATIVE LITTLE SCIENTISTS has received funding from the European Union's Seventh Framework Programme (FP7/2007-2013) for research, technological development and demonstration under grant agreement no 289081.