

Teacher Education Design Principle + code:	7. Teacher education should familiarise teachers with a range of formal and informal inquiry- and creativity-based learning, teaching and assessment approaches and strategies and their use in relation to authentic problems within the areas of science and mathematics. TE: CreatInqPed
Specific Teacher Outcome(s):	7.3 Teachers should be able to recognize and exploit the value of play and exploration in science and mathematics for fostering a extending inquiry and creativity, by for example, prompting questions, eliciting ideas, providing opportunities for consideration of alternative strategies during children’s familiarisation with phenomena and events.
Factors linked with:	P:Play; P:Quest; P:Scaff; M:Expl
Type of material (image – interview (int) – classroom extract (class):	Classroom
Originating from:	
Country report :	D4.3 UK (Northern Ireland)
Case:	Case 15
Episode:	Outdoor sand
Teacher:	Maeve
Age Group:	3-5
Selected episode present in D4.4 Appendix	No

Supporting exploration for fostering inquiry and creativity

In this example, 'Paula' (the teaching assistant) can be seen just out of shot (bottom left) standing back and observing 'Patrick' as he explores the equipment. As he reaches the potential end of his activity, Paula asks some questions, based on her observation of his activity. This encourages him to continue and extend this activity further.



Patrick loading sand into one side of the pulley, and Paula asking extension questions

Extract from interview that used images (including the one above) as prompts for discussion

T: People think creativity is making things but it is that creative thought and for figuring things out and that is what we have been trying to develop as an ethos across everything

I: yes

T: you know, that it is that posing the question, but not asking those questions, children bombarding with questions, sometimes just watching, like you were saying, I mean sometimes I did that in that sand area, [teaching assistants] will say umm, 'how do we move it on?' yes there are buckets and spades and the pulley is there but how do you move it on? But sometimes children... they will just pull it, pull it and it goes the whole real connection and as the year goes on we can see, and it is lovely to see the children who actually do make a connection between when you put the sand in one will go up and up and down



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