Design Principles for the Design of Interventions to Support Parental Involvement in Computer Science Education

	Design Principle
1	The interventions should be collaborative within families and include suitable roles for different family members to play.
2	The interventions must bring multiple families together to encourage intra-family support and communication.
3	The interventions should consist of *structured* activities.
4	Parents' and children's input should be invited, and their existing knowledge and expertise recognised. They should be given the opportunity to become more active in planning and structuring the activities as the intervention progresses.
5	The interventions should use computers as creative tools and lead to the making of a *meaningful artefact*.
6	The outcomes of the intervention should be celebrated and shared.
7	The interventions should be structured to include ongoing dialogue about what is being learned. Time should be reserved for collaborative reflection to complete the learning experience.
8	The interventions should encourage and support the pursuit of further activity, as a family unit or along with other families.
9	Interventions need to consider the availability and design of a suitable learning environment and technical infrastructure for their implementation and for any future ongoing activity.

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