**What a Reaction!**

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| **Program:** | Backyard Science |
| **Year Level:** | Year 3 to Year 4 |
| **Curriculum Study Areas:** | Science |
| **Themes/Topics:** | Investigating the reactions that occur when you combine different substances. |
| **Description:** | This activity is part of the **Backyard Science Teaching Resource** (DVD-ROM), and designed to introduce the students to Kahootz by setting a relatively simple but challenging and interesting task. |
| **Resources:** |  |

**Lesson plan:**

In pairs, the students devise a game for testing their knowledge of the reactions that occur when two or more substances are changed or combined. It could be related to the content topics of the unit "What a Reaction!" Or, it could be questions to test a student's prior knowledge. Each pair should plan what content or questions they want to use and then story broad how they will illustrate the chosen topic. A "Kahootz Planner" (developed at the school) could be used to plan each scene in some detail. The students are asked to create their Xpressions, and present each one to their classmates and the younger students.

**Involvement for Xpression Participant**

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|  | * Writing up the content to be highlighted in the Xpressions and planning and creating Kahootz   Xpression with a partner. |  |
|  | * Presenting Xpression to younger students. |  |
|  | * Watching other pairs of students present their Xpressions. |  |
|  | * Sharing with the class any "tips" they have discovered during the creation of the Xpression.. |  |

**Each participant needs to:**

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|  |  | * Work cooperatively with a partner. |  |
|  |  | * Share ideas and "tips" with other students. |  |
|  |  | * Learn from other students. |  |
|  |  | * Be prepared to think laterally and creatively if the exact object or world they  have included in their story is not available. |  |

**Learning Outcomes for Student Creator**

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|  | * Knowledge and understanding of Science concepts. |  |
|  | * Experimenting with animation techniques. |  |
|  | * Exploring design and presentation concepts. |  |

**Collaborative Potential**

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|  | * Task can be individual or partner. |  |
|  | * All students can enjoy the Xpressions created |  |