Claims

1. An educational toy set comprising:

    a. a shape (2, 2', 3, 4) having at least one shape-identifier (2.1, 2.2) corresponding to one or more shape feature(s),

    b. a shape-identification element having at least one reader (10, 10'),

    c. a processing unit (11), adapted at processing a detecting and/or activating of the at least one shape-identifier (2.1, 2.2) by the at least one reader (10, 10'), and

    d. an output unit (17), adapted at giving an auditive output, reflective of the processing of said detecting and/or activating in conjunction with the one or more shape feature(s);

    the shape-identification element with the at least one reader (10,10') is adapted at detecting and/or activating the at least one shape identifier inside an effective range of the at least one reader,

    the educational toy set comprising a memory unit for storing a sequence of detecting and/or activating of shape-identifier(s) by any one number of reader(s), and wherein

    the shape feature(s) are reflective of any one or a combination of: shape form value, number value, letter value, picture value of the shape and the processing comprises setting that value in context with a sequence of shape feature(s) thereby generating a meaningful output which is reflective of the sequence.

2. The educational toy set of claim 1, comprising a plurality of shapes (2, 2', 3, 4), each having at least one shape-identifier (2.1, 2.2) corresponding to one or more shape feature(s).

3. The educational toy set of any one of claims 1 or 2, comprising a plurality of shape-identification elements each having at least one reader and each having an effective range of the at least one reader.

4. The educational toy set of claim 3, where the output is reflective of a feature of the plurality of shape-identification elements has performed the detecting and/or activating of the at least one shape-identifier.

5. The educational toy set of any one of claims 1 to 4, comprising an interface for connecting the processing unit with at least one further information processing device.

6. The educational toy set of any one of claims 1 to 5, comprising a plurality of effective ranges, each of a particular reader, and the effective ranges are adjusted so that they essentially do not overlap.

7. The educational toy set of any one of claims 1 to 6, wherein the output in conjunction with the one or more shape feature(s) is reflective of a feature such as shape form value, number value, letter value, picture value of the shape.

8. The educational toy set of any one of claims 1 to 7, whereby shape-identification element comprises at least one shape receptible adapted at receiving a shape such as to bring the shape into an effective range associated with said shape receptible.

9. The educational toy set of any one of claims 1 to 8, whereby the shape has a shape surface essentially made of wood.

10. The educational toy set of any one of claims 1 to 9, whereby the processing unit is further adapted at prompting a user by means of auditive output by the output unit.

11. The educational toy set of any one of claims 1 to 10, whereby the shape-identification element(s), the processing unit and the output unit, and preferably also the shape receptible(s), are part of a play tray (1) and the shape(s) are separate and adapted to be brought into an effective range of at least one reader inside the play tray, in particular by fitting a shape into a shape receptible.

12. The educational toy set of any one of claims 1 to 11, whereby at least two of a plurality of shapes are designed to be stackable.

13. Method for generating an auditive output by an educational toy set according to any one of claims 1 to 12, comprising the steps of:

    a. Triggering a detecting and/or activating of at least one shape-identifier by bringing at least one shape inside an effective range of the least one reader;

    b. Processing the triggering dependent on at least one parameter dependent on either one or a combination of: shape feature(s), number of shape-identifier(s), position of the at least one reader; time of reading;

    c. Outputting an auditive output by means of an output unit as a result of that processing, and

    d. where the processing unit matches the sequence of shape feature(s) with a set of predetermined operations stored in a memory.

14. The method according to claim 13, wherein the shape feature(s) are reflective of any one or a combination of: shape form value, number value, letter value, picture value of the shape and the processing comprises setting that value in context with a sequence of shape feature(s) to generate a meaningful output reflective of this sequence in the form of an auditive output.

15. The method according to any one of claims 13 or 14, where the processing unit prompts an error notification if a sequence of one or more shape feature(s) does not match a predetermined operation stored in a memory.