

PARENT BRIEFING

Module

Package Design

- Match two-dimensional package outlines with three-dimensional packages.
- Explore spatial relations by designing and constructing a CD sleeve.
- Explore coordinates, rotations, and reflections.
- Create tessellation artwork.
- Construct a package.

Session Focus

1 Package Matching

2 Package Layout

3 Package Pattern

4 Translations

5 Reflections

6 Rotations, Reflections, and Translations

7 Package Construction

Dear Parent,

As parents and teachers, we realize it can be hard to get a child to discuss what he or she is learning in school. We hope the information provided on this page will assist you in communicating with your child about what he or she is learning.

For the next few days, your child will be learning about designing packages based on appearance, practicality, and conserving material while completing the *Package Design* Module. You are your child's best teacher, and your participation in the learning process is extremely important.

Words students will learn in this Module include:

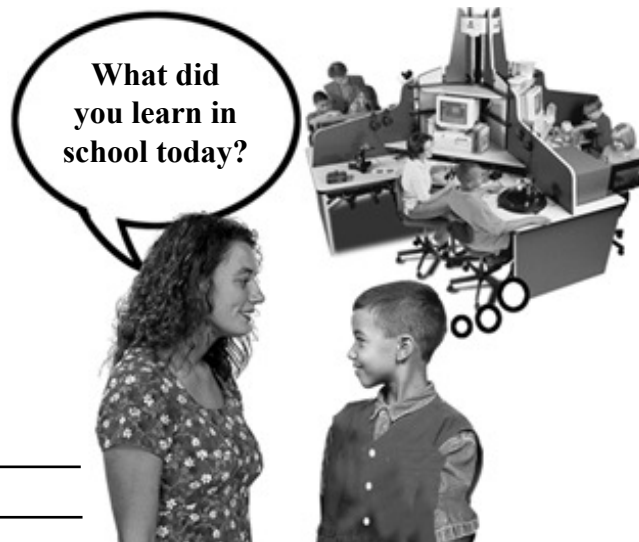
- edge
- faces
- reflection
- rotation
- tessellation
- transformation
- translation
- x-axis
- y-axis

Questions for discussion

During the course of this Module, your child will be assessed on key concepts and activities. You might want to discuss these concepts with your child.

He or she will be asked to:

- List four factors in designing an acceptable package. *(The factors include size, appearance, ease of construction, and product protection.)*
- Explain how rotations, reflections, and translations are used to create art. *(Rotations, reflections, and translations are used to create tessellations, which can be used to create artwork.)*
- Identify the coordinates of any point on a coordinate grid. *(Given a point, the student should be able to give its x-coordinate and y-coordinate as an ordered pair with the x-coordinate being the first number in the pair -- for example: (x, y).)*



Student: _____

Parent: _____