

# Really Good Stuff® Activity Guide

## Pattern Puzzler Poster Set

Congratulations on your purchase of this Really Good Stuff® **Pattern Puzzler Poster Set**—a concise, thought-provoking way to help students grasp and extend the concept of patterns.

### This Really Good Stuff® product includes:

- 1 *Pattern Puzzler Poster*, laminated
- 6 *Pattern Strips*
- This Really Good Stuff® Activity Guide

### Assembling and Displaying the Pattern Puzzler Poster Set

Before you punch out the *Pattern Strips* and display the *Pattern Puzzler Poster*, make copies of this Really Good Stuff® Activity Guide and file the pages for future use. Or, download another copy of it from our Web site at [www.reallygoodstuff.com](http://www.reallygoodstuff.com). Punch out the *Pattern Strips* and the slit. Hang the *Poster* where students will be able to see and interact with it easily.

### Introducing the Pattern Puzzler Poster Set

Gather students where they can easily view the **Pattern Puzzler Poster Set**. Ask students what they have learned or know about patterns. Remind students that patterns repeat again and again. Ask students if they have ever tried to solve a mystery before or put together a puzzle. Explain that they will get to use their knowledge of patterns to solve a mystery today. Point to the *Poster*.

Explain that as you pull a *Pattern Strip* through the slit different components of the pattern will pop through. Tell students that before you pull the next part of the pattern through the slit you want them to predict what they think will show next. Begin by pulling the *ABAB Pattern Strip* provided through the slit. Pull it through so the first three shapes are showing. Ask students what they think will come next. Continue to pull the *Strip* through the slit, stopping after each shape to allow students to revise their guesses. Continue in this manner until you have completed two or three patterns. As they solve the patterns, review the different types of patterns, such as *AABB*, *ABC*, and *growing*. Ask them to back up their thinking by explaining why they think a specific shape would come next in the pattern.

### Create Your Own

Invite students to create their own patterns. Pass out a sentence strip or a long piece of construction paper to each student. Ask them to create their own pattern. Gather the students back together and ask different students to come up and slide their pattern strip through the slit on the *Poster* as their classmates predict what will come next in their pattern.

### Partner Pattern Puzzlers

Copy and distribute the *Pocket-sized Pattern Puzzlers Reproducible*. Have students cut the two strips out of the reproducible and create the slit in the strip labeled 1. Instruct students to create a pattern on the strip labeled 2. Pair students with a partner and

have them take turns sliding their patterns through the *Pocket-sized Pattern Puzzlers Reproducible*. Allow them to switch places as they try to guess the other child's pattern.

### Pattern Typos

Cut out and laminate blank 3- x 12-inch blank strips to use with the *Poster*. Create patterns on these strips with intentional mistakes. Explain to students that you have made some mistakes on the patterns. Ask students to help you figure out where you made mistakes. As you slide each pattern through the slit, have them predict what will come next. Tell students that when they see a mistake, they should give you thumbs down and tell you why they think it is a mistake and doesn't go in the pattern. Write the corrections above the mistakes for students to check.

### Pattern Pictures

Give each student an old magazine and several strips of construction paper. Allow students to cut items out of the magazine to create different patterns on each strip. Ask students to name each pattern on the back of the strip. Invite students to share their pattern pictures and have the class guess the name of their pattern.

### People Patterns

Line students up in a pattern: For example, boy, girl, boy, girl or tennis shoes, tennis shoes, sandals, sandals. After students are in line, ask them what people pattern they made. Allow a volunteer to direct classmates into a different pattern.

### Parent Partners in Patterns Letter Reproducible

Cut out sentence strips for students to take home. Make a sample pattern on one of the strips. Copy and distribute the *Parent Partners in Patterns Letter Reproducible*. Give each child a blank sentence strip. Explain that they should use their sentence strip to create a pattern at home. Tell students that you want them to use pictures of things that are meaningful to their families. Show the class the sentence strip you made. Ask students to bring back their completed pattern from home on a certain day. Allow students to share their pattern from home with their classmates. As they share, ask why their pattern is important to their family and what they named their pattern.

### Puzzling Predictions Reproducible

Copy and distribute the *Puzzling Predictions Reproducible*. Tell students to look at each pattern and fill in the blank with the item they think should come next. Either review the answers with the class or collect the reproducible as an assessment.

### Answers:

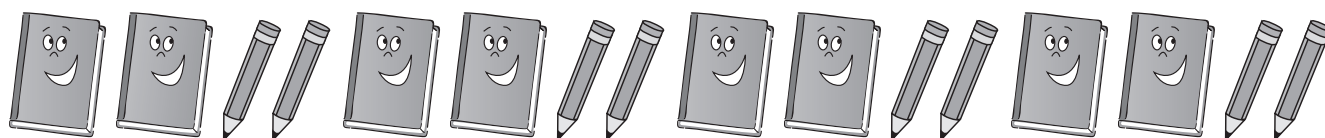


All activity guides can be found online:



Dear Parent,

Your child has been learning all about patterns at school! We want to share our love of patterns with you at home! Please use the sentence strip that your child brought home to create your own family pattern puzzler: Find items around your home (that have meaning to your family) to use in your pattern. For example, the pattern you create with your child might be:



Your explanation for picking this pattern, might be that the two of you chose it because your child loves for you to read to him or her and you like to write to-do lists to organize your family.

After deciding on a pattern together, please ask your child if he or she can think of what type of pattern you made—such as ABC, AABB, or growing—and write the pattern’s name on the back of the strip. Please have your child bring the completed pattern back to school by \_\_\_\_\_ .

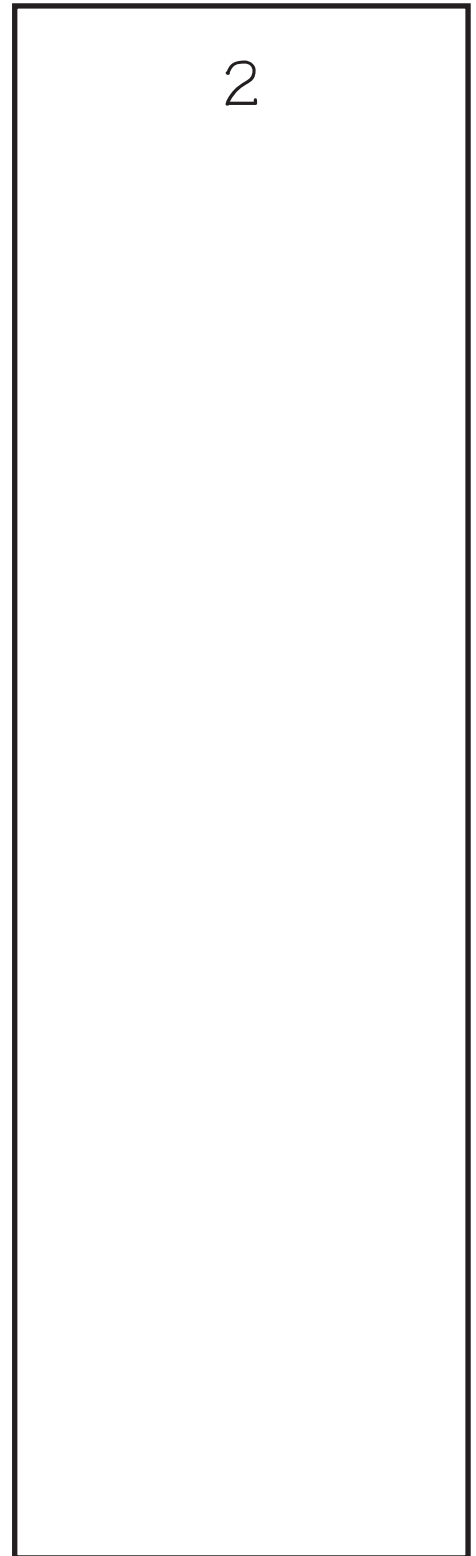
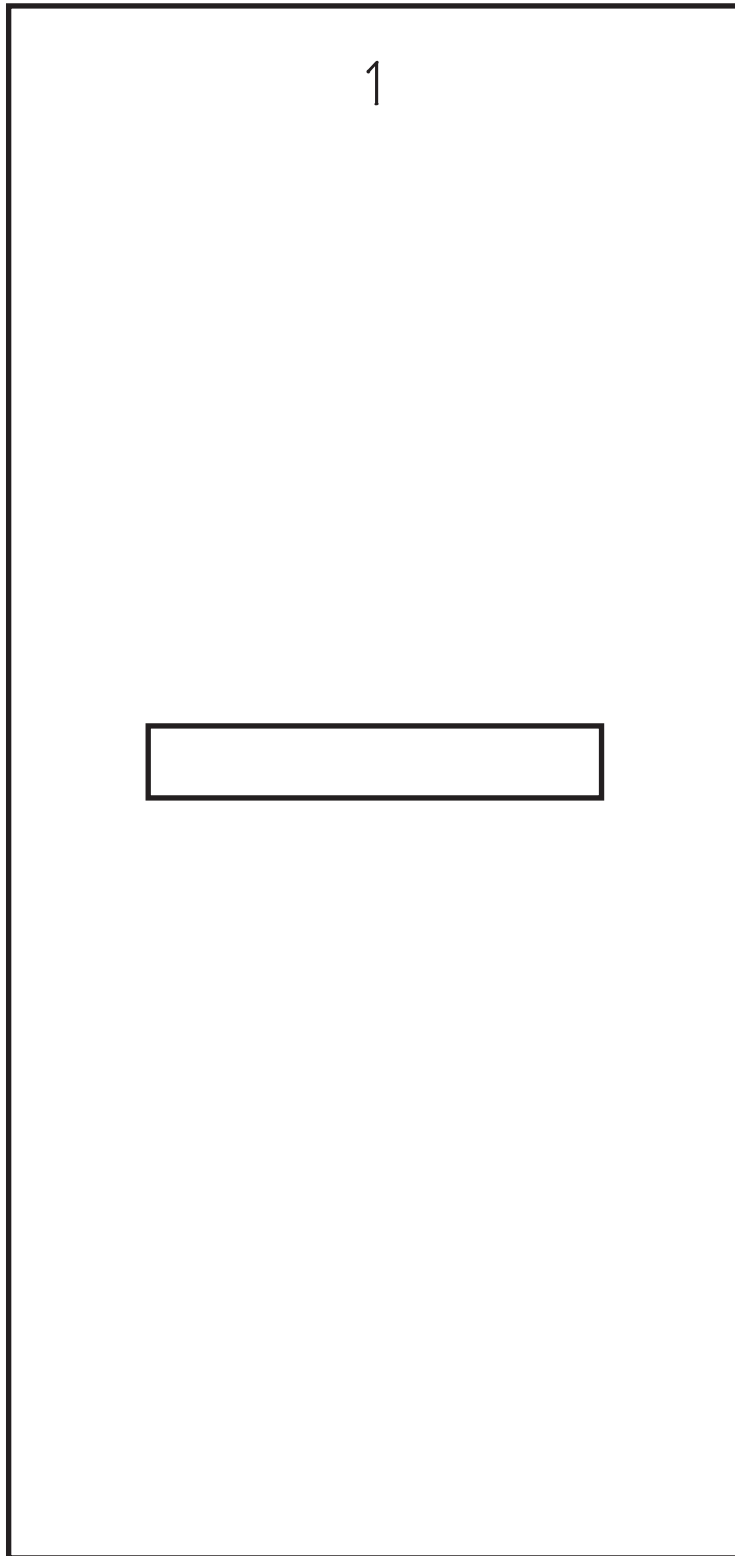
Thanks so much for being a puzzler partner with us!

*Sincerely,*



# Pocket-sized Pattern Puzzlers

Create your own pattern on strip 2. Cut out strip 1 and 2. Cut out the window in strip 1. Slide strip 2 into the window on strip 1 to view the pattern.



# Puzzling Predictions

Can you figure out what comes next in the pattern?

1.)



\_\_\_\_\_

2.)

1      3      5      7      9

\_\_\_\_\_

3.)



\_\_\_\_\_

4.)

2      4      6      8      10

\_\_\_\_\_

5.)



\_\_\_\_\_