

Mathematics

Learning

Ensure that there are opportunities indoors and outdoors for children to:

- Work as part of a group, by taking turns while playing games.
- Use language to solve problems and communicate ideas.
- Refine and consolidate developing ideas to solve practical problems.
- Sort, classify and order natural objects, noticing similarities and differences.
- Count and order.
- Create patterns.
- Develop their fine motor skills as they sort and use small equipment.

Resources

- Horizontal and vertical display.
- Reference and story books about numbers, shapes, passage of time etc.
- Vertical and horizontal number lines/pegs, washing up.
- Variety of resources for sorting and counting including natural materials such as shells, pebbles, cones and baskets.
- Magnetic numbers.
- Clipboards, paper, pens.
- Number rhyme props.
- Shapes.
- Number story boxes.
- Calculators, sand timers, die.
- Scales/balances - light and heavy items.
- Measures, rules, sticks - non numerical.



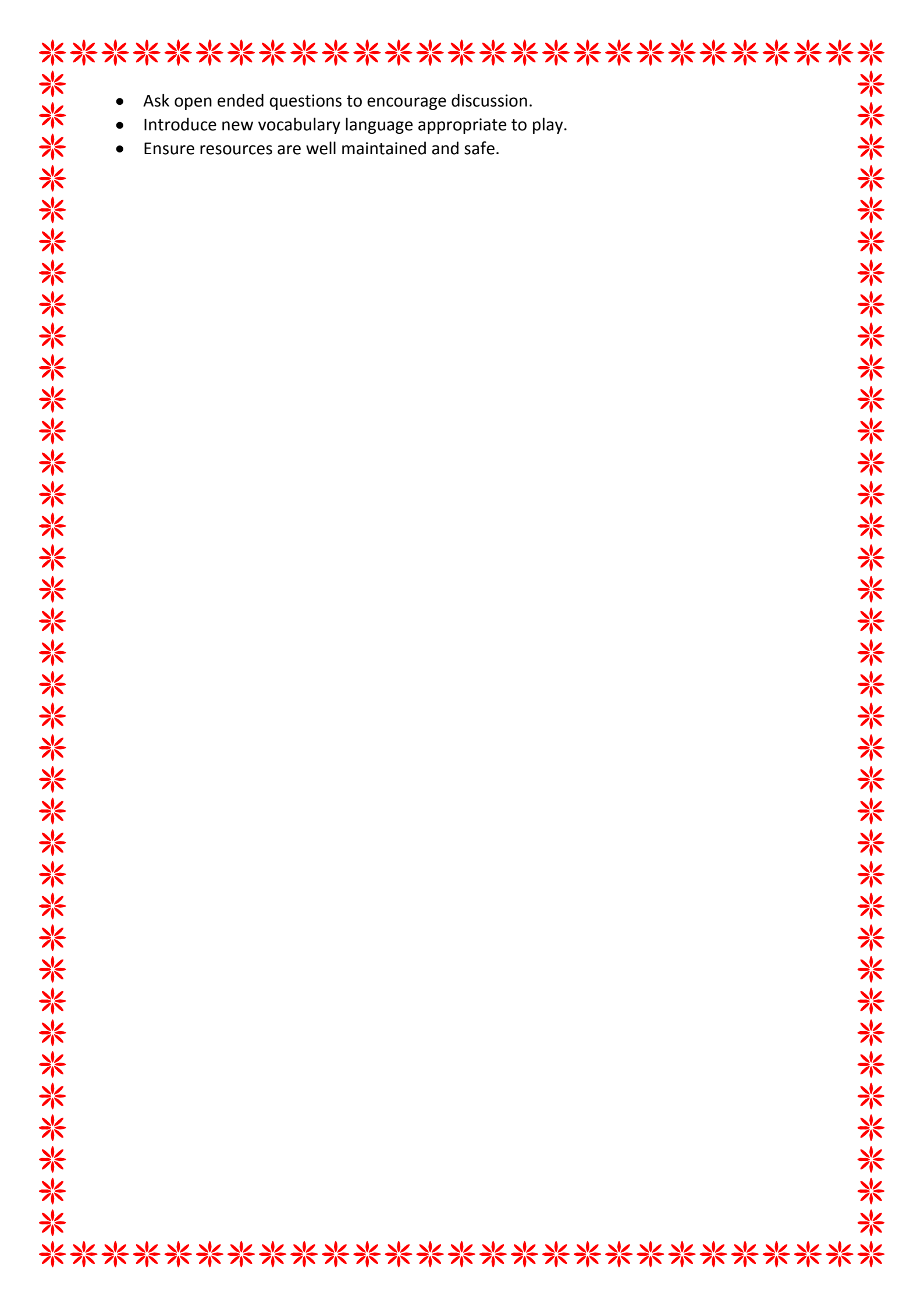
Location

It is not necessary to have a PSRN area but it may be useful to have all resources grouped together in one base and some display possibilities.

- Accessible storage.
- Outdoors and indoors - transportable boxes.
- Games - including home made games.
- Pattern making opportunities and resources.
- One to one matching opportunities eg aprons to hooks.

Adult Role

- Opportunities are everywhere! - recognise the possibilities during snack time, greeting time, sand, water, cookery, building and constructing, inside and outside.
- Ensure that you demonstrate a positive attitude to mathematics. Get excited about numbers, counting and problem solving.

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- A decorative border of red starburst shapes surrounds the page. The stars are arranged in a continuous line along the top, bottom, and sides, creating a frame for the text.
- Ask open ended questions to encourage discussion.
 - Introduce new vocabulary language appropriate to play.
 - Ensure resources are well maintained and safe.