

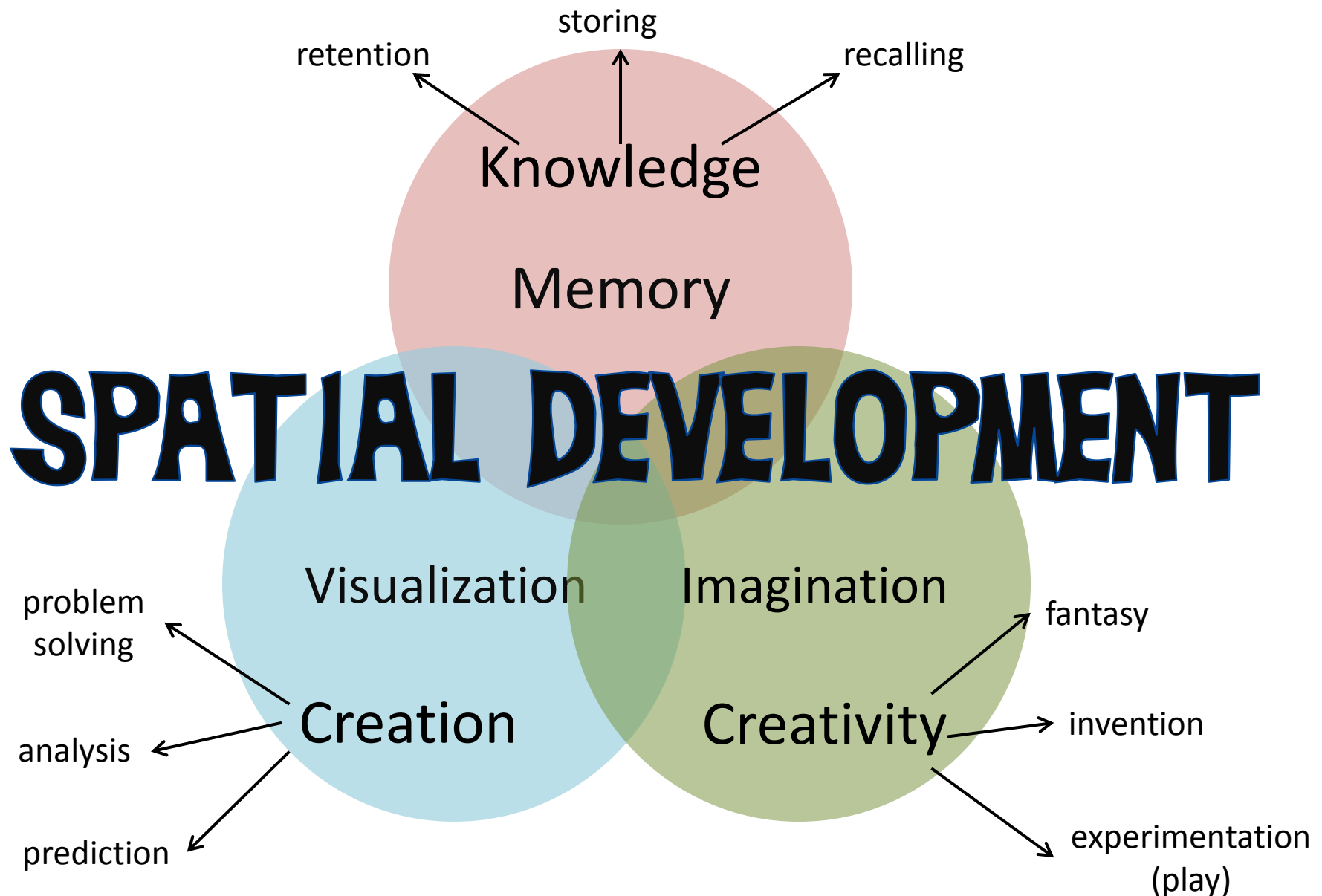
# HOW MiniChess™

**"UNDERSTANDING MATHS AND SCIENCE THROUGH CHESS"**

## LINKS TO EDUCATION

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# Basic building blocks for Learning



# Chess as a vehicle for teaching...

- ❑ Basic geometry, **arithmetic** & fractions
- ❑ Reading & interpreting **graphs & co-ordinates**
- ❑ Multiplication, division & measurement
- ❑ Problem solving skills & pattern recognition
- ❑ Language skills (prepositions & opposites)
- ❑ Builds **self-confidence** through achievement & recognition

# Chess also as a vehicle for teaching...

- ☐ Spatial awareness
- ☐ Focus and concentration
- ☐ Gestalt & relationships
- ☐ Creativity
- ☐ Logic
- ☐ Numeracy
- ☐ Life skills

# MANCHESS™

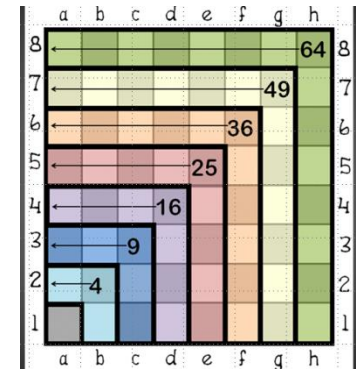
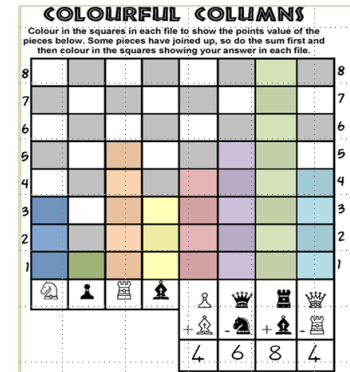
Chess in-school-time program  
Grade R to Grade 3

## Teacher Involvement

- Training sessions
- Structured Lessons – age specific
- Comprehensive Lesson plans, teaching support materials
- Accreditation

## Learner Activities

- Project books
- Impacts Maths, Science, Technology and Life skills
- Practical play
- Games, Quiz, teamwork & computer linked education
- CHESSA membership & Scholar's examinations



# MANCHESS™

Accolades & Partnerships



- EDUCATION

*Developer - Marisa van der Merwe*



**KASPAROV**  
CHESS FOUNDATION AFRICA



Presidential MFL Launch - 2012

## Partnerships



# Assessment & Achievement

☐ Measurable assessment

☐ Weighted assessment instruments (rubrics)

☐ Decorate certificates

☐ Practice skills using games



The **MiniChess™ Program** was created & designed by  
Marisa van der Merwe, who with years of experience in the fields of teaching and  
chess training, saw the vision of empowering students by helping them understand  
maths and science through chess.

**Trade Marked.**

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Original design in 2007

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Artwork done by Lizaan Nagel & Vanessa van der Merwe.

**For more information visit:**

**[www.minichess.co.za](http://www.minichess.co.za)**