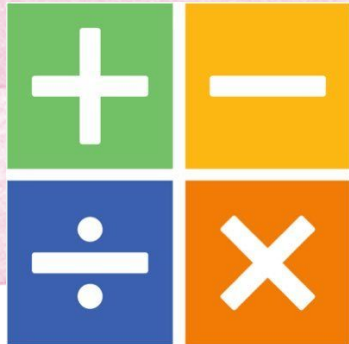


BUILDING A MATH CLASSROOM IN KINDERGARTEN



SHERRYL VROOM, FDK TEACHER
SAMANTHI WANNIARACHCHI, DECE

KINDERGARTEN CURRICULUM



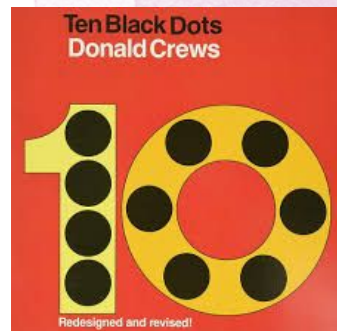
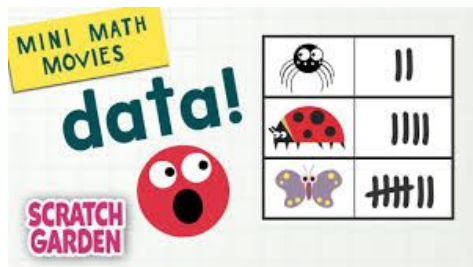
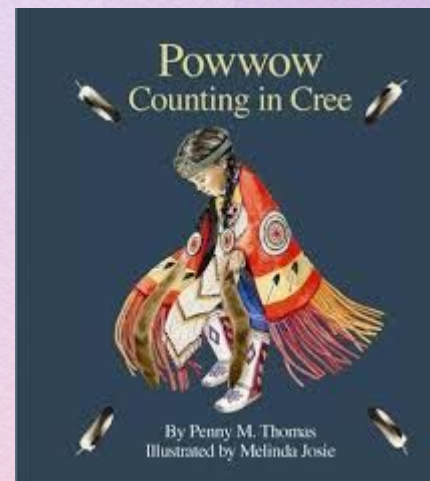
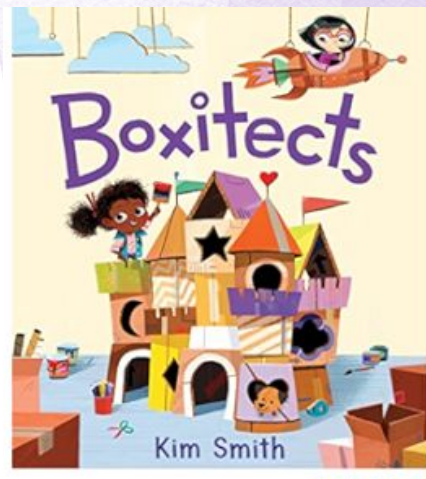
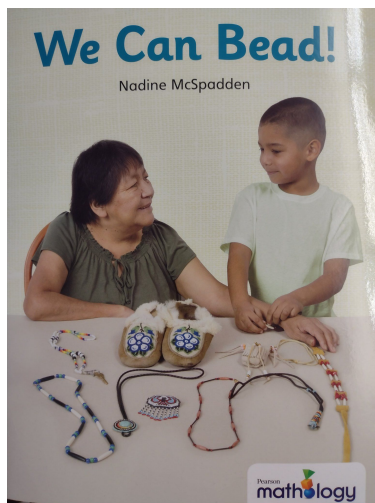
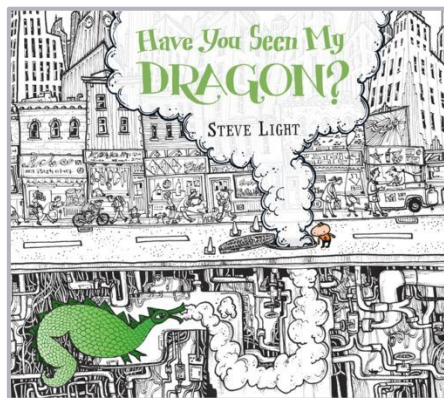
DEMONSTRATING LITERACY AND MATHEMATICS BEHAVIOURS

- COMMUNICATING THOUGHTS AND FEELINGS
- EMERGENT UNDERSTANDING OF MATHEMATICAL RELATIONSHIPS, CONCEPTS, SKILLS, AND PROCESSES
- ACTIVE ENGAGEMENT IN LEARNING AND A DEVELOPING LOVE OF LEARNING

PROBLEM SOLVING AND INNOVATING

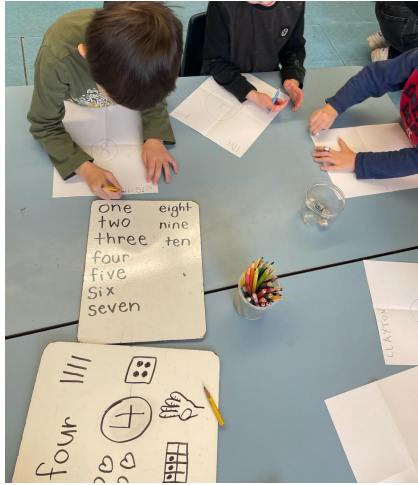
- EXPLORING THE WORLD THROUGH NATURAL CURIOSITY (ENGAGE THE MIND, THE SENSES, AND THE BODY)
- MAKING MEANING OF THEIR WORLD BY ASKING QUESTIONS, TESTING THEORIES, SOLVING PROBLEMS, AND ENGAGING IN CREATIVE/ANALYTICAL THINKING
- THE INNOVATIVE WAYS OF THINKING AND DOING THINGS THAT NATURALLY ARISE WITH AN ACTIVE CURIOSITY

MENTOR TEXTS

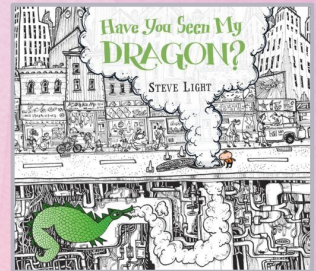
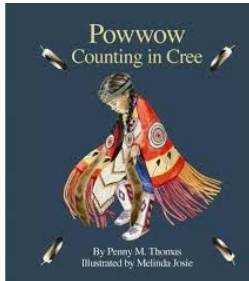
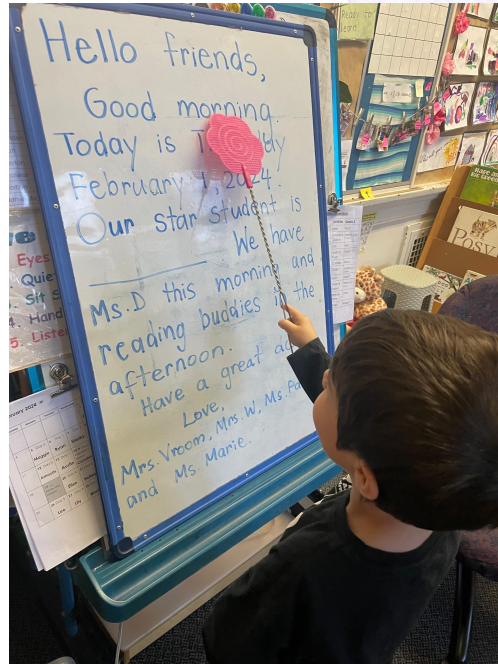


MATH TASK #1: SUBITIZING

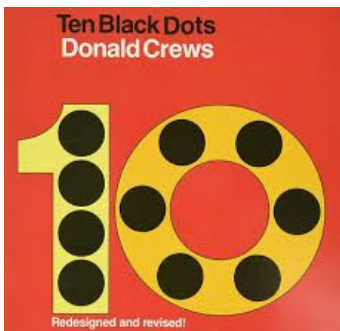
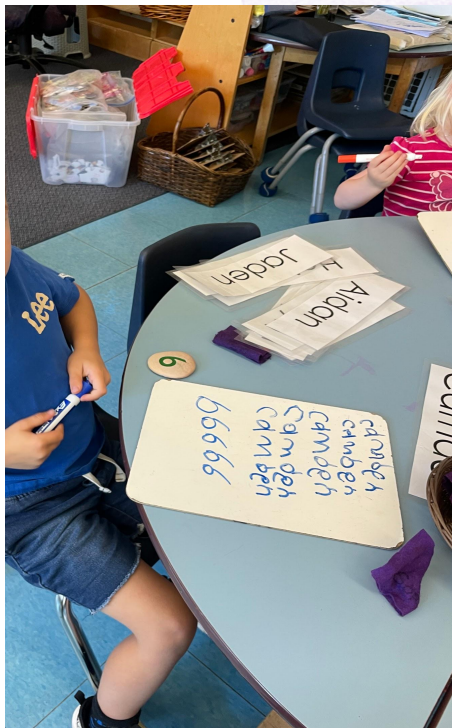
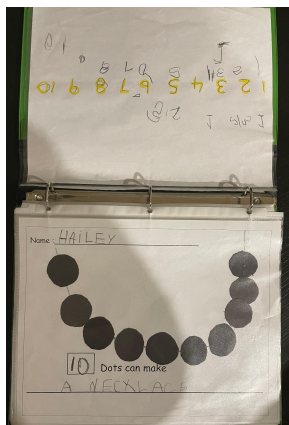
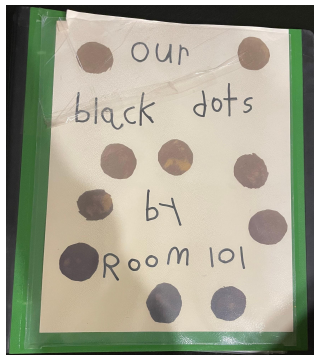
WE ARE LEARNING HOW TO REPRESENT NUMBERS IN DIFFERENT WAYS



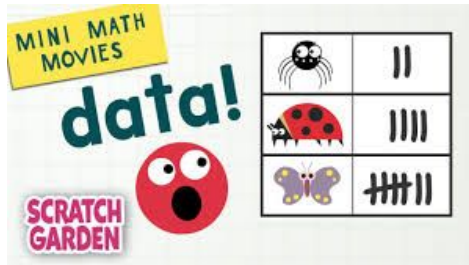
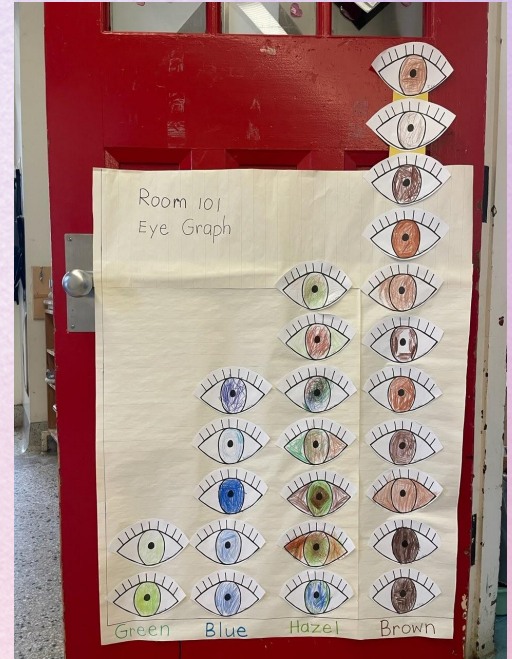
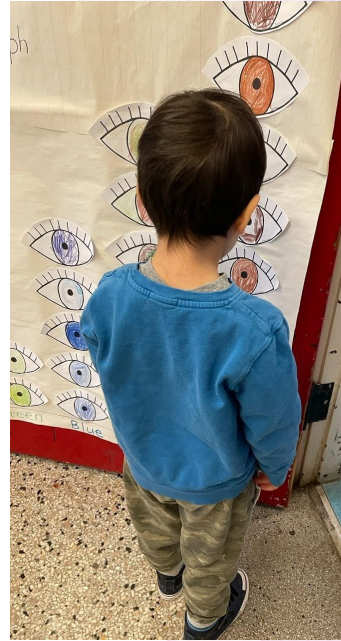
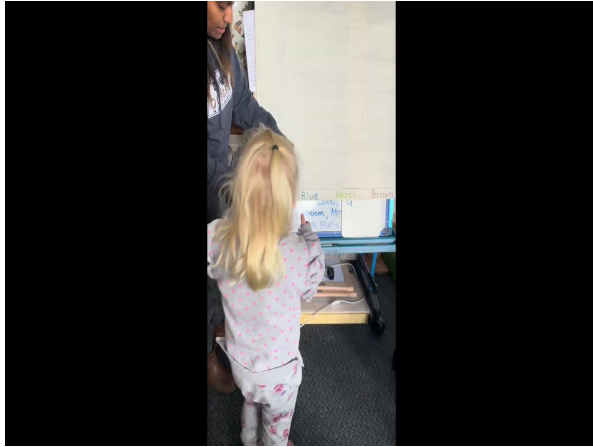
MATH TASK #2: THERE ARE MANY DIFFERENT WAYS TO COUNT.



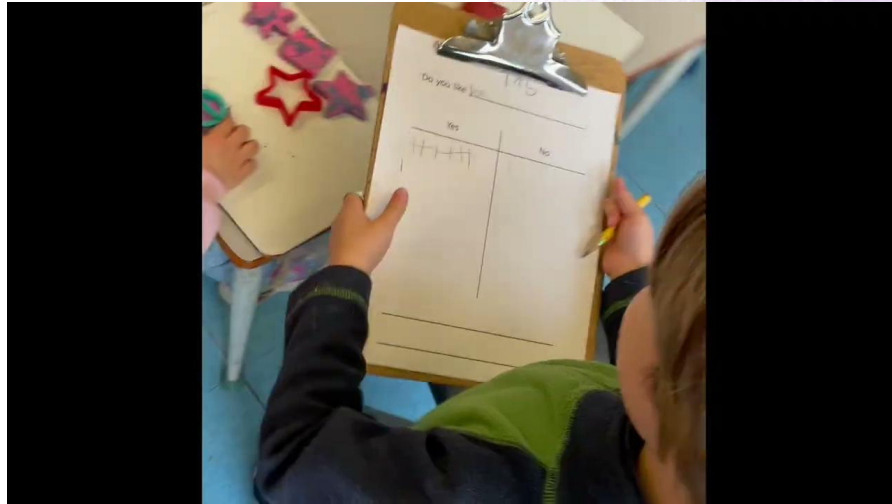
MATH TASK #2: THERE ARE MANY DIFFERENT WAYS TO COUNT.



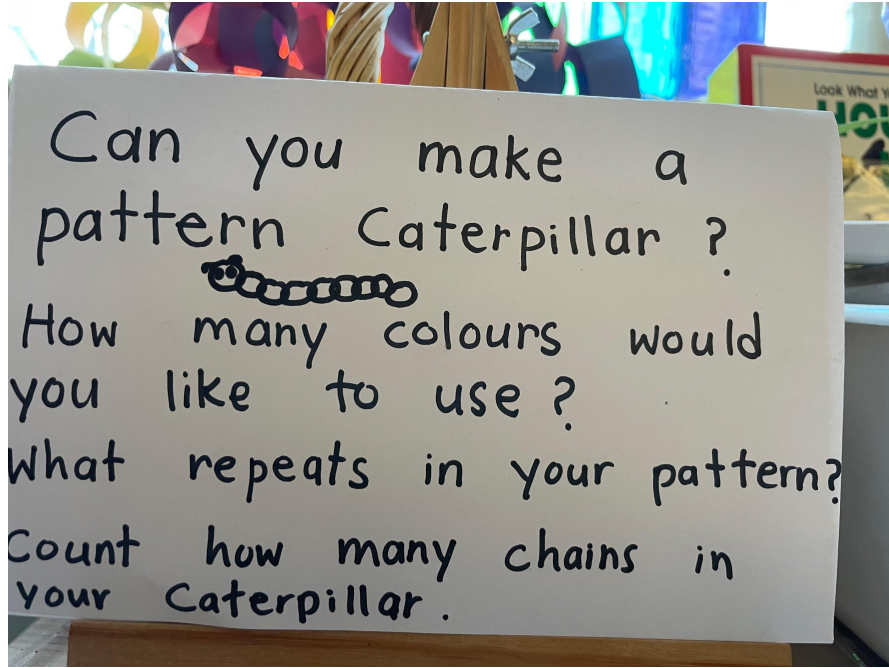
NOTICING AND NAMING THE LEARNING



STUDENT VOICE



PROVOCATIONS



LEARNING FROM THE LAND

What do you see? 👁️

What do you think? 🤔

What do you wonder? 💭





MATH IN PLAY!

CREATIVITY



SORTING



DISCOVERING MATH
CONCEPTS: PARTS AND
WHOLE

SHAPES:
IDENTIFYING/NAMING



IN SUMMARY...

- LEARNING FROM THE STUDENTS AND FACILITATING THE LEARNING TO BUILD KNOWLEDGE
- STUDENT CENTRED APPROACH TO LEARNING
- PROVIDING OPEN ENDED PROVOCATIONS AND INVITATIONS TO LEARNING
- BUILDING FOUNDATIONAL SKILLS IN MATHEMATICS
- DEVELOPING STUDENTS LOVE OF MATH AND CELEBRATING THEIR IDENTITY AS MATH LEARNERS
- PROVIDING A RISK FREE ENVIRONMENT AND INTRODUCING MATH VOCABULARY
- GIVING THE EXPOSURE TO THE DIFFERENT MATH STRANDS THEY WILL EXPERIENCE IN THE UPPER GRADES (E.G., GRADE 1)

TAKE AWAY - BEST PRACTICES!

-EXPLORE MATHEMATICAL CONCEPTS WITH YOUR CHILD IN THEIR EVERYDAY LIFE (E.G., SORTING, COUNTING, RECOGNIZING NUMBERS)

-PLAY GAMES (BRAIN GAMES, I SPY, CARDS, BOARD GAMES)

-TALK ABOUT THE MATH THEY SEE IN NATURE AND THEIR ENVIRONMENT (GROCERY STORE, WALKING ON THE STREET, PLAYING IN A PARK)

