

# EARLY CHILDHOOD STEM HABITS OF MIND

Science, Technology, Engineering and Mathematics

#### CHILDREN ARE:



# Inquirers:

When they wonder why things happen and how things work.



# Engineers:

When they design, build and make things.



# Observers:

When they watch closely things in nature and the world around them.



#### Pattern sniffers\*:

When they search and find patterns in words, numbers and the world.



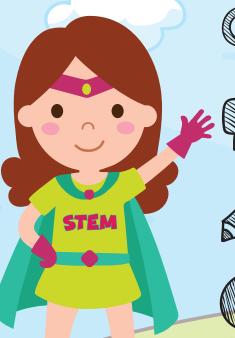
## Describers\*

When they describe what they do and see using precise language.



#### Experimenters\*:

When they try and test things to learn how things work or what might happen.



# Encoders:

When they represent what they do and see with drawings and symbols.



### Measurers:

When they measure and count things.



# Decoders:

When they make meaning of representations and symbols.

\*Maths Habits of mind used with permission by Cuoco, Goldenberg & Mark (1996)

# Predictors:

When they predict what might happen next.





