

Master 1.1

Unit Rubric: Patterning

	Beginning	Acceptable	Proficient	Mastery
Conceptual Understanding				
Shows understanding of increasing and decreasing patterns by: <ul style="list-style-type: none"> – explaining and applying pattern rules – identifying and explaining errors in patterns – describing patterning strategies – identifying patterns in the environment – creating patterns 	may be unable to: <ul style="list-style-type: none"> – explain and apply pattern rules – identify and explain errors in patterns – describe patterning strategies – identify patterns in the environment – create patterns 	partially able to: <ul style="list-style-type: none"> – explain and apply pattern rules – identify and explain errors in patterns – describe patterning strategies – identify patterns in the environment – create patterns 	able to: <ul style="list-style-type: none"> – explain and apply pattern rules – identify and explain errors in patterns – describe patterning strategies – identify patterns in the environment – create patterns 	in various contexts, able to fully: <ul style="list-style-type: none"> – explain and apply pattern rules – identify and explain errors in patterns – describe patterning strategies – identify patterns in the environment – create patterns
Procedural Knowledge				
For increasing and decreasing patterns, accurately: <ul style="list-style-type: none"> – states pattern rules – extends patterns – compares patterns – represents patterns – determines missing elements 	limited accuracy; often makes major errors/omissions in: <ul style="list-style-type: none"> – stating pattern rules – extending patterns – comparing patterns – representing patterns – determining missing elements 	partially accurate; makes frequent minor errors/omissions in: <ul style="list-style-type: none"> – stating pattern rules – extending patterns – comparing patterns – representing patterns – determining missing elements 	generally accurate; makes few errors/omissions in: <ul style="list-style-type: none"> – stating pattern rules – extending patterns – comparing patterns – representing patterns – determining missing elements 	accurate; rarely makes errors/omissions in: <ul style="list-style-type: none"> – stating pattern rules – extending patterns – comparing patterns – representing patterns – determining missing elements
Problem-Solving Skills				
Uses increasing and decreasing patterns to solve problems	does not select and use appropriate patterning strategies to solve problems	with limited help, selects and uses some patterning strategies to solve problems with partial success	selects and uses appropriate patterning strategies to solve problems successfully	selects and uses appropriate patterning strategies to solve problems with a high degree of success
Communication				
Records and explains reasoning and procedures clearly and completely, including appropriate terminology	unable to record and explain reasoning and procedures clearly and completely	records and explains reasoning and procedures with partial clarity; may be incomplete	records and explains reasoning and procedures clearly and completely	records and explains reasoning and procedures with precision and thoroughness