Year: **6/7**   KLA: **Mathematics**   Assessment name: **Around the World in Eighty Shapes**   Student ....

Purpose: *To gather evidence of the students' ability to identify, describe and reflect on, the properties and use of 2D shapes and 3D objects in large built structures of the world.*

Knowledge & Understanding	Knowledge & Understanding	Thinking & Reasoning	Reflecting	Communicating	
Represents 2D shapes using software and accurately reflects their geometric properties.	*Constructs accurate nets of 3D objects.*	*Analyses built structures to identify the use of 2D shapes and 3D objects, and accurately describes key features of these.*	*Explains how and why the 2D shapes and 3D objects have been effectively used in the selected structure and reflects on alternatives.*	Presentation of material and content, organization, and proper delivery of topic is seen.	
⇐ 2D shapes accurately and independently constructed using software, and all key geometric properties accurately labelled.	⇐ A complete set of accurate nets independently constructed with dimensions shown for the relevant structure.	⇐ All 2D shapes and 3D objects independently located in a range of built structures, with accurate descriptions of key features.	⇐ Insightful reflection on the use of each shape or objects in the structure, with consideration for some alternatives where appropriate.	⇐ Information expressed in own words. Points were organized, developed with sufficient detail, supported by numerous visual aids. Delivery was fluent, engaging and highly impressive.	A
	⇐ A complete set of accurate nets constructed with dimensions shown.				B
⇐ 2D shapes accurately constructed using software, with some geometric properties labelled.	⇐ A complete set of nets constructed which contain some inaccuracies.	⇐ All 2D and 3D shapes located with accurate descriptions of key features.	⇐ Relevant reflection on the use of each shape or object in the structure.	⇐ Information usually expressed in own words. Points were developed, detailed and supported by visual aids. Delivery was usually fluent, clear, and expressive.	C
⇐ 2D shapes constructed with some inaccuracies using software, and some inaccuracies in geometric labelling.	⇐ Some nets constructed in a manner that would come close to forming the 3D object.				D
⇐ Some 2D shapes constructed inaccurately.	⇐ Nets generally missing or inaccurate.	⇐ Some 2D shapes and 3D objects located with vague or inaccurate descriptions given.	⇐ Cursory or superficial reflection given for shapes and objects.	⇐ Information is irrelevant and presenter unclear of content. Points developed with minimal detail; few visual aids. Minimal fluency in delivery.	E

Guide to making judgments