Question stems that promote thinking

Organising	• What am I given? What do I know? • What do I need to find out? • What is a good way to start? • What is the most helpful way to organise this?
Classifying	• What's the same? What's different? • Have I seen something like this before? • What is this? How can I define it?
Imagining	• What do I notice? What do I wonder? • What might I try to find out? • How can I see this? • What if…? I wonder what would happen if…?
Expressing	• What do I know? • How can I show this? How else could I show this? • What am I given? What do I need to find out?
Convincing	• How do I know? • How can I show this? • Is it always true? • Why is this true? What is really going on here?
Conjecturing	• What could be going on here? Why? • What will happen if I…? • Is there a relationship? • Will it…?
Specialising	• What if…? I wonder what would happen if…? • What am I given? What do I know? • What examples can I give? Another? And another? • Would this be an example? What is a nonexample? • What's the same? What's different?
Generalising	• What's the same? What's different? • What stays the same? What changes? • What patterns can I see? • Have I seen something like this before? • What is this? How can I describe it in general terms? • Can I show when this is true/not true?