When accomplished STEM teachers
unpack curricula and standards to establish meaningful learning goals
they may do one or more of the following:

___ Explicitly emphasize and value conceptual understanding and reasoning (T46)
___ Explicitly encourage movement/development along a trajectory of mastery for a particular concept (T49)
___ Invite and expect all students to share developing and incomplete ideas (T80) ✪ *
___ Manage and direct the discussion only when appropriate, and always toward clear learning goals (T90)
___ Engage students in whole class discussion intentionally with respect to particular learning goals (T151) ✪
___ Interact with groups with a purpose and in relation to learning goals (T138) ✪
___ Strategically pick students or student work to share out in ways that help the class meet the goal(s) of the discussion (T154)

In these classrooms we expect to see a diverse range of students...

___ Building more complete/accurate understandings from current understandings (S22)
___ Naming, reflecting on, and/or revising learning goals (S53) Δ
___ Supporting each other to name, reflect on, and/or revise learning goals (S59)

Evidence Checklist	Core Practice: Elicit, represent, and capitalize on student ideas

When accomplished STEM teachers
unpack curricula and standards to establish meaningful learning goals
they may do one or more of the following:

ALWAYS		STRATEGICALLY	
More Straightforward:	*More Challenging:*	*More Straightforward:*	*More Challenging:*
___ Invite and expect all students to share developing and incomplete ideas (T80) ✪*	___ Manage and direct the discussion only when appropriate, and always toward clear learning goals (T90)	___ Explicitly emphasize and value conceptual understanding and reasoning (T46) ___ Interact with groups with a purpose and in relation to learning goals (T138) ✪	___ Engage students in whole class discussion intentionally with respect to particular learning goals (T151) ✪ ___ Strategically pick students or student work to share out in ways that help the class meet the goal(s) of the discussion (T154) ___ Explicitly encourage movement/ development along a trajectory of mastery for a particular concept

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