

164 Science and Mathematics

Formative Assessment Classroom Techniques (FACTs)

- | | | |
|---|---|---|
| <p>1- A&D Statements ⊕+ T</p> <p>2- Always, Sometimes, Never +★ T</p> <p>3- Agreement Circles ⊕+</p> <p>4 -Annotated Student Drawings ⊕</p> <p>5- BDA Drawings★</p> <p>6- Card Sorts ⊕+ T</p> <p>7- Claim Cards ★</p> <p>8- Collaborative Clued Corrections (CCC) ⊕+</p> <p>9- Chain Notes ⊕</p> <p>10- C-E-O-SE ★ T</p> <p>11- Comment Coding ✧</p> <p>12- Comments Only Marking +★</p> <p>13-Commit and Toss ⊕+</p> <p>14- Comparison Overlap Probes ★</p> <p>15- Concept Attainment Cards +★</p> <p>16- Concept Card Mapping ⊕+</p> <p>17- Concept Cartoons™ ⊕+</p> <p>18- Concept Mix Up Probes ★✧</p> <p>19- Confidence Levels ★✧</p> <p>20- Conjecture Cards ✧</p> <p>21- Cover Up ✧</p> <p>22- Create The Problem +</p> <p>23- Cross-Cutter Cards ★</p> <p>24- CSI- Color, Symbol, Image ★</p> <p>25-Data Match ⊕</p> <p>26- Diagnostic Collections ★</p> <p>27-Directed Paraphrasing ⊕</p> <p>28- Enhanced Multiple Choice ★✧</p> <p>29- Error Analysis ✧</p> <p>30- Every Graph Tells a Story +</p> <p>31- Every Day Mystery Stories ★</p> <p>32- Example-Non-Example + T</p> <p>33- Explanation Analysis ⊕</p> <p>34- Extended Sticky Bars ★✧</p> <p>35- Eye Contact Partners ★✧</p> <p>36- Fact First Questioning ⊕+</p> <p>37- Familiar Phenomenon Probes ⊕</p> | <p>38- Feedback Check-Ins ✧</p> <p>39- Feedback Focused Group Discourse ✧</p> <p>40- Feedback Sandwich ✧ T</p> <p>41- Feedback to Feed Forward +★ T</p> <p>42- Find Someone Who ✧ T</p> <p>43- Fingers Under Chin ★✧</p> <p>44- Flip the Question ✧</p> <p>45- First Word- Last Word ⊕</p> <p>46- Fish Bowl Think Aloud ⊕</p> <p>47- Fist to Five ⊕+</p> <p>48- Focused Listing ⊕</p> <p>49- Four Corners ⊕+</p> <p>50- Four Corners Jigsaw ★✧</p> <p>51- Frayer Model ⊕+ T</p> <p>52- Friendly Talk Probes ⊕+</p> <p>53- Gallery Walk ★✧</p> <p>54- Give Me Five ⊕+</p> <p>55- Group Frayer Model ★✧ T</p> <p>56- Group Talk Feedback ★✧ T</p> <p>57- Guided Reciprocal Peer Questioning ⊕</p> <p>58- Homework Card Sort ★✧</p> <p>59- Hot Seat Questioning +★</p> <p>60- Human Scatter Graphs ⊕+</p> <p>61- I Think- I Re-Think ★✧</p> <p>62- I Think- We Think ⊕</p> <p>63- I Used to Think ___ But Now I Know ___ ⊕+ T</p> <p>64- Informal Student Interviews ⊕</p> <p>65- Interactive Whole-Class Card Sorting ✧</p> <p>66- Interest Scale ⊕</p> <p>67- Is It Fair? +</p> <p>68- Juicy Questions ⊕</p> <p>69- Justified List ⊕+ T</p> <p>70- Justified True- False Statements ⊕+</p> | <p>71- K-W-L Variations ⊕+ T</p> <p>72- Learning Goals Inventory ⊕+ T</p> <p>73- Learning Intentions ★✧</p> <p>74- Learning Intentions Reflection ✧ T</p> <p>75- Let's Keep Thinking ★✧</p> <p>76- Lines of Agreement ★✧</p> <p>77- Look Back ⊕+ T</p> <p>78- Magnetic Statements ★</p> <p>79- Matching Cards + ★</p> <p>80- Mathematician's Ideas Comparison + T</p> <p>81- Missed Conception ⊕</p> <p>82- More A- More B Probes +★</p> <p>83- Most and Least Sure About ✧</p> <p>84- Muddiest Point ⊕+</p> <p>85- No Hands Questioning ⊕+</p> <p>86- Now Ask Me a Question ✧</p> <p>87- Odd One Out ⊕+ T</p> <p>88- Opposing Claims Probes ⊕+★</p> <p>89- Overgeneralization Probes +</p> <p>90- Paint the Picture ⊕</p> <p>91- Partner Speaks ⊕+</p> <p>92- Partner Strategy Rounds ✧ T</p> <p>93- Pass the Question ⊕</p> <p>94- Pass the Problem +</p> <p>95- P-E-O Probes ⊕+</p> <p>96- Peer-to-Peer Focused Feedback +</p> <p>97- A Picture Tells a Thousand Words ⊕+</p> <p>98- Picture This ★</p> <p>99- Plus- Delta ★✧ T</p> <p>100- PMI- Plus, Minus, Interesting ★✧ T</p> <p>101-POMS- Points of Most Significance ⊕+</p> <p>102-Popsicle Stick Questioning ⊕+</p> <p>103- Prefacing Explanations ⊕</p> |
|---|---|---|

- 104-PVF-Paired Verbal Fluency ☉+
- 105-Question Generating ☉+
- 106- Questioning Cue Cards ✧ T
- 107- Ranking Tasks ★✧
- 108- R-A-Q Feedback ★✧
- 109- Recognizing Exceptions ☉
- 110- Reflect Aloud ✧
- 111- Reflect Then Self-Assess ✧ T
- 112-- Reflective Toss ★
- 113- Refutations ☉
- 114- Representation Analysis ☉
- 115- RERUN ☉ T
- 116- Response Cards + T
- 117- Rules that Expire ✧
- 118- Same A- Same B Probes +
- 119- Scientists' Ideas Comparison ☉ T
- 120- Seeing Structure ✧
- 121- Sequencing ☉+
- 122- Slide Sort ★✧ T
- 123- Sort Envelopes ✧
- 124- Sticky Bars ☉+
- 125- STIP- Scientific Terminology Inventory Probe ☉ T
- 126- Strategy Harvest + T
- 127- Strategy Probe +
- 128- Structures for Taking Action ✧
- 129- Student Evaluation of Learning Gains ☉+ T
- 130- Student Interviews +
- 131- Success Indicators ★✧
- 132- Success Indicator Problem Generating ✧
- 133- Synectics ☉ T
- 134- Take Stock ✧
- 135- Talk Moves ★✧
- 136- TAR- Target, Analogy, Reflection ★ T
- 137-Thermometer Feedback ✧
- 138- Think-Pair-Share ☉+
- 139- Thought Experiments ☉+
- 140- Three Minute Pause ☉+
- 141- Three-Two-One ☉+ T
- 142- Terminology Inventory Probe ☉+ T
- 143- Ten-Two ☉+
- 144- Think Alouds +
- 145- Thinking Logs ☉+
- 146- Thumbs Up, Down and Sideways ★
- 147- Traffic Light Cards ☉+
- 148- Traffic Light Cups ☉+
- 149- Traffic Light Dots ☉+
- 150- Traffic Light Sliders ★✧
- 151- Two Minute Paper ☉+
- 152- Two or Three Before Me ☉+
- 153- Two Stars and a Wish ☉+
- 154-Two Thirds Testing ☉+
- 155- Vernacular Probes ★
- 156- Volley Ball, Not Ping Pong ☉+
- 157- VDR- Vote, Discuss, Revote ★✧
- 158- Wait Time Variations ☉+
- 159- What Are You Doing and Why ? ☉+
- 160- What Did I Learn Today ★
- 161- What Stuck With You Today? ✧
- 162- Whiteboarding ☉+
- 163- Word Sort + ★
- 164- X Marks the Spot ✧ T

Key:

☉ In *Science Formative Assessment- 75 Practical Strategies for Linking Assessment, Instruction, and Learning*, 2nd Edition 2016 (Keeley 2008)

★ In *Science Formative Assessment- 50 More Practical Strategies for Linking Assessment, Instruction, and Learning* (Keeley 2015)

+ In *Mathematics Formative Assessment- 75 Practical Strategies for Linking Assessment, Instruction, and Learning* (Keeley and Tobey 2011)

✧ In *Mathematics Formative Assessment- 50 More Practical Strategies for Linking Assessment, Instruction, and Learning* (Keeley and Tobey 2017)

Go to www.uncoveringstudentideas.org to download customizable templates for the FACTs with a T symbol