Grade 6 Teacher-Sourced Kit Items

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Module 1: BioTech Systems Worldwide

Items	Driving Question	Lesson
Medium or large marshmallows (20-24 for each team)	3-D Team Challenge	1
Spaghetti	3-D Team Challenge	1
Trays or newspaper	3-D Team Challenge	1
Objects for mystery boxes (e.g., rubber balls, dice, bean bags, etc.)	3-D Team Challenge	2
	3-D Team Challenge	3
	3-D Team Challenge	4
	3-D Team Challenge	5
	3-D Team Challenge	7
Small throwable object	3-D Team Challenge	3
Scale **(Optional)**	3-D Team Challenge	4
Materials for 3-D models (for each team) **(Optional)**	3-D Team Challenge	6
Voting software or mini whiteboards and markers **(Optional)**	1	1
Sticky notes	1	3
Newspaper	1	3
Scissors	1	3
	1	9
	4	2
	4	3
	4	4
Trash can	1	3
Plastic tub or pail	1	3
Rulers	1	5
Calculators (for each pair)	1	5
Computers or tablets (for each pair)	1	7
	1	8
	1	13
	1	14
	2	5
	3	1
	3	3
4 empty plastic bottles	1	9
Cornstarch	1	12
Water	1	12
Jug	1	12
4 clear plastic cups	1	12

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Module 1: BioTech Systems Worldwide		
Items	**Driving Question**	**Lesson**
Selection of books for organ research	2	1
Bell **(Optional)**	2	6
Optical microscopes and sample slides **(Optional)**	3	1
Computers or tablets (for each pair)	2	1
Colored pencils		
2–3 water bottles	4	1
	4	4
	4	5
Hole punch	4	2
	4	3
	4	4

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Module 2: Destination Everywhere!

Items	Driving Question	Lesson
Colored pencils	1	2
	4	6
	4	9
Computer or tablet (for each pair)	1	4
	1	9
	4	6
	4	9
2-3 clear plastic containers	1	5
	2	1
Dry-erase marker	1	5
Water	1	5
	2	1
	2	2
	2	5
	2	6
	2	7
	2	10
	4	5
Paper towels	2	1
	2	2
	2	3
	2	5
	2	6
	2	10
Ice cubes	2	2
	2	3
	2	5
	2	6
	2	7
	2	10
Clear plastic bag	2	3
3 large jugs	2	3
	2	10
Live plant	2	3
Rubber band	2	3
Ceramic plates (for each team)	2	3

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Module 2: Destination Everywhere!

Items	Driving Question	Lesson
Trays	2	3
	2	5
	2	6
	3	1
	3	2
	3	3
	3	6
Glue	2	4
Scissors	2	4
	3	1
	3	2
	3	3
	4	5
Rulers	2	5
	3	
	2	6
	3	1
	3	2
	3	3
	3	3
	3	5
2 large containers	2	7
Plastic water bottle with cap	2	7
Old towels	2	7
Camera (phone, tablet, etc.)	2	7
1 clear glass tumbler (per 2 teams)	2	7
1 pan (per 2 teams)	2	7
Adhesive putty	2	7
White paper	2	10
	4	5
Spoons (for each team)	2	10
Globe	2	12
Black and blue markers	2	12
	4	5

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Module 2: Destination Everywhere!

Items	Driving Question	Lesson
Tape	2	12
	2	14
	3	2
	3	3
Protractors (for each student)	2	12
Labels	3	6
Computers or tablets with spreadsheet software (for each team)	3	7
	3	8
	2	15
	4	8
Video of weather report	4	1
	4	2
Chart of 10-day weather for local area	4	1
	4	2
	4	3
	4	4
	4	5
	4	6
Small flag	4	1
	4	2
	4	3
	4	4
	4	5
	4	6
	4	7
6 2L bottles	4	5
Cardboard	4	5
Poster paper	4	6
	4	9
Video recording devices	4	9

Module 3: The Red List

Items	Driving Question	Lesson
Research materials about endangered species (books/online sources)	1	1
	4	3
	4	4
Computers or tablets (for each student)	1	1
	1	2
	1	3
	1	6
	1	8
	1	9
	4	3
	4	4
Calculators	1	5
	3	1
Highlighters or colored pens	1	7
1 or more orchids **(Optional)**	1	8
Flowers with simple structures (e.g., lilies, tulips, irises, pansies, daffodils, gladioli, petunias)	2	1
Rulers	2	1
Blank sheets of paper	2	3
Colored pencils (red, blue, yellow, green)	2	4
	3	5
Brown and green markers (for each team)	2	6
	2	7
Glue or clear tape	2	6
	2	7
Scissors	2	6
	2	7
Coins (for each team)	2	7
Non-latex gloves (for each team) **(Optional)**	3	2
Small pots (e.g., yogurt pots, for each team) **(Optional)**	3	2
Low-fertility growing material (e.g., peat moss and perlite, for each team) **(Optional)**	3	2
Radish seeds (for each team) **(Optional)**	3	2
Garden fertilizer pellets or granules (for each team) **(Optional)**	3	2
Sticky labels (4 for each team) **(Optional)**	3	2
Water **(Optional)**	3	2
Measuring spoons or pipettes (for each team) **(Optional)**	3	2

Grade 6 Teacher-Sourced Kit Items

Module 3: The Red List

Items	Driving Question	Lesson
Scales (for each team) **(Optional)**	3	2
Cameras, e.g., phone, tablet, etc. (for each team) **(Optional)**	3	2
Poster or chart paper		
Pennies (4 for each pair)	3	Benchmark Assessment
Poster or chart paper	1	1
	1	6
	4	1
Masking tape	3	Benchmark Assessment
Marker	3	Benchmark Assessment

Module 4: Cities of the Future

Items	Driving Question	Lesson
Computers or tablets (for each pair)	1	2
	2	2
	2	6
	4	1
	4	4
	4	5
Books or publications about phosphates **(Optional)**	1	5
2 2-liter clear plastic bottles	2	3
Large rubber band	2	3
White paper	2	3
Tape	2	3
	2	7
2 dry-erase markers (in different colors)	2	3
Scissors	2	3
	4	8
Transparency sheets **(Optional)**	2	7
	4	6
	4	7
Graph paper **(Optional)**	2	7
Crushed ice (200 g for each team)	2	9
Cooler/freezer access	2	9
Water	2	9
Jugs (1 for each team)	2	9
Rulers	2	9
2 1,000 mL measuring cylinders (Optional)	2	9
2 balloons **(Optional)**	2	9
Electronic scale **(Optional)**	2	9
Gas lighter **(Optional)**	2	9
Kettle **(Optional)**	2	9
Thick gloves **(Optional)**	2	9
Colored pencils	4	6
	4	7
	4	8
Chart paper	4	8
Glue	4	8