

TABLE OF BROADER IMPACTS: Opportunities to connect through the Bell Museum

Intended Audience	Project type	Project commitment of researcher to prepare with museum staff (not including travel time)	Estimated time commitment interacting with public audience	Minimum estimated project duration	Estimated numbers served
General public: adults	<i>CAFE SCIENTIFIQUE</i>	1 meeting with staff, presentation preparation, rehearsal (~ 8 hours)	2 hours	1 day	100-300
	<i>EXPERT-LED FIELD TRIPS</i>	1 meeting with staff, presentation preparation, (~5 hours)	3-8 hours	1 day (multiple offerings)	15-20
	<i>EXHIBIT WALK-ABOUTS (lunch or evenings)</i>	1 meeting with staff, presentation preparation, (~ 5 hours)	2 hours	1 day (can repeat multiple times)	20-40
	<i>PUBLIC PRESENTATIONS</i>	Two meetings with staff, availability for media interviews, presentation preparation (~ 20 hours)	One evening, 2-4 hours	1 day (can repeat off-site)	Up to 375
	<i>WORKSHOPS (week-end or evening)</i>	Two 1 hour meetings with staff, availability for media interviews, workshop preparation (~20-40 hours)	Half (4 hours) or Full (8 hours) weekend day; or one evening, 2-4 hours	1 day (can repeat multiple times)	15-50 (researcher sets limit)
	K-12 teachers	<i>TEACHER TRAINING WORKSHOPS</i>	Three meetings with staff, workshop preparation (~20-40 hours)	Half day (4 hours); up to 2 days (16 hours) & follow-up contact with teacher (classroom site visit, email) over school year	Variable, depending on researcher's interest level

K-12 teachers and students	<i>CLASSROOM & ASSEMBLY PRESENTATIONS</i>	2 meetings with staff, incl: presentation & lesson plan preparation, coaching rehearsal (~ 8 hours)	50 minutes – 1.5 hours (can be repeated)	1 class, or multiple classes at same or different schools	25-40 students per class, 75-200 students per assembly
	<i>SCHOOL STUDENT RESEARCH PROJECT</i>	2 meetings with staff, incl: lesson plan preparation, coaching rehearsal (~ 12 hours)	3 school visits (minimum): Research project launch, mid-project visit, project wrap-up	1 class, or multiple classes at same or different schools	25-40 students per class or science club
	<i>PROJECT-CENTERED SCHOOL RESIDENCY CURRICULUM</i>	As content expert, three meetings with staff to design content, lesson plans & evaluation of topical research in classroom format (~20-40 hours)	For initial curriculum pilot, 2 school visits including: curriculum launch & wrap-up; subsequent offerings delivered by museum educators	After initial year investment, ~2-5 years before revisions needed	>5,000 students served annually
	<i>EXHIBIT-CENTERED RESIDENCIES & MUSEUM CLASSES</i>	Same time as school residency, in addition to the exhibit time commitment	Same as school residency	Same as school residency	New program in 2009
General public & K-12 community	<i>SCHOOL & MUSEUM TOURS OF PERMANENT EXHIBITS</i>	As content expert, three meetings with staff to design content & delivery of topical research in tour format (~20-40 hours)	Guest appearance at initial tour launch (<i>Meet the scientist</i>); tour delivery by museum educators	2 years	Annually >120,000 visitors, including students

General public & K-12 community	<i>ON-CAMPUS TEMPORARY EXHIBITION</i>	As content expert, three –five meetings with staff to design content & delivery of topical research in exhibit format (40+ hours); available for media interviews	Guest appearance at evening exhibit opening (<i>Meet the scientist</i>); 3-4 hours	3-6 months	Annually >120,000 visitors, including students
	<i>NATIONAL TRAVELING EXHIBITION</i>	Same as on-campus; with sufficient funding an on-campus can be transformed into traveling	Guest appearance at exhibit opening (<i>Meet the scientist</i>)	Traveling exhibits: 2-5 years	50,000 - 200,000
	<i>SHORT VIDEO FOR EXHIBIT GALLERY OR ON-LINE USE</i>	As content expert, three –five meetings with staff to design content & record segments (40+ hours)	Guest appearance at exhibit opening (<i>Meet the scientist</i>)	3-6 months in gallery; on-line as negotiated	Annually >120,000 including students
General public, families & amateur naturalists	<i>MINNESOTA BIOBLITZ</i>	2 – 1 hour meetings, event day, availability for media interview, species lists (~60 hours)	Event day participation 4-12 hours	One year, can be repeated multiple years	150-500 visitors