

# WHALE CHALLENGE

## MATERIAL PREPARATION INSTRUCTION GUIDE

*1 teacher = 5 class periods*

3. Label the depth on the canister, on the side, using masking tape and marker.
4. Place the bag with the split pea(s) and the corresponding temperature read out slip inside the canister.
5. Per teacher, you should end up with 60 4 oz. canisters with the zip lock of split peas and the temperature read out slip inside.
6. Provide one zip lock bag of extra split peas for each teacher. Label the bag "EXTRA."

Canister #	Depth <small>label outside canister</small>	Temperature	Bag with # of split peas	Canister #	Depth <small>label outside canister</small>	Temperature	Bag with # of split peas
1	80	25	1	31	160	20.5	5
2	80	25	1	32	160	20.5	5
3	80	25	1	33	160	20.5	5
4	80	25	1	34	160	20.5	5
5	90	24.1	2	35	170	19.5	5
6	90	24.1	2	36	170	19.5	5
7	100	23.3	3	37	170	19.5	5
8	100	23.3	3	38	170	19.5	5
9	100	23.3	3	39	180	20.1	4
10	100	23.3	3	40	180	20.1	4
11	110	22.5	4	41	180	20.1	4
12	110	22.5	4	42	180	20.1	4
13	110	22.5	4	43	190	18.3	2
14	110	22.5	4	44	190	18.3	2
15	120	22.2	6	45	190	18.3	2
16	120	22.2	6	46	190	18.3	2
17	120	22.2	6	47	200	17.6	2
18	120	22.2	6	48	200	17.6	2
19	130	21.6	7	49	210	17	2
20	130	21.6	7	50	210	17	2
21	130	21.6	7	51	210	17	2
22	130	21.6	7	52	210	17	2
23	140	21.3	9	53	220	16	2
24	140	21.3	9	54	220	16	2
25	140	21.3	9	55	220	16	2
26	140	21.3	9	56	220	16	2
27	150	20.9	8	57	230	15.5	0
28	150	20.9	8	58	230	15.5	0
29	150	20.9	8	59	230	15.5	0
30	150	20.9	8	60	230	15.5	0

Total number canisters per teacher: **60**

Total number of split peas needed: **240**